Order of operations

Evaluate each the values given.

1) $m + \frac{m}{n}$; use $m = \frac{9}{5}$, and $n = 2$

2) $y \div (y + x)$; use $x = 2$, and $y = \frac{7}{4}$

3) $(p - m) \div m$; use $m = 1$, and $p = \frac{3}{2}$

4) $5(x - y)$; use $x = 1$, and $y = \frac{1}{5}$

5) $\frac{4}{x} + y$; use $x = \frac{4}{5}$, and $y = 2$

6) $\frac{h}{j} + h$; use $h = \frac{1}{2}$, and $j = \frac{3}{2}$

7) $\frac{q}{p} + q$; use $p = \frac{3}{5}$, and $q = \frac{2}{5}$

8) $b(a + 4)$; use $a = 2$, and $b = \frac{1}{2}$

9) $\frac{5y}{x}$; use $x = \frac{3}{2}$, and $y = \frac{1}{2}$

10) $3 + y - x$; use $x = 1$, and $y = \frac{1}{5}$

11) $5(y - x)$; use $x = 1$, and $y = \frac{8}{5}$

12) $5rq$; use $q = \frac{1}{2}$, and $r = \frac{4}{5}$

13) $y - (x + x)$; use $x = 2$, and $y = 6$

14) $h + j + j$; use $h = \frac{1}{2}$, and $j = 1$

15) $(6 - m) \div p$; use $m = \frac{5}{3}$, and $p = \frac{4}{3}$

16) $b + a - b$; use $a = 2$, and $b = \frac{3}{2}$

17) $4 + y - x$; use $x = \frac{9}{5}$, and $y = 2$

18) $h(j + j)$; use $h = 2$, and $j = \frac{7}{4}$

19) $p \times \frac{n}{1}$; use $n = 2$, and $p = \frac{1}{2}$

20) $m^3 + p$; use $m = \frac{11}{6}$, and $p = \frac{5}{3}$

21) $(j - h)^2$; use $h = 1$, and $j = 5$

22) $q - (p - p)$; use $p = 2$, and $q = \frac{5}{3}$

23) $\frac{y}{yx}$; use $x = \frac{1}{2}$, and $y = \frac{2}{3}$

24) $(c + b)^2$; use $b = \frac{4}{3}$, and $c = 4$

25) $x(y + 2)$; use $x = 2$, and $y = \frac{5}{3}$

26) $j + 3h$; use $h = 2$, and $j = \frac{3}{2}$

27) $(x + y)^2$; use $x = \frac{1}{3}$, and $y = \frac{1}{2}$

28) $y + x + y$; use $x = \frac{1}{6}$, and $y = \frac{11}{6}$

29) $4-(m-p)$; use $m=\frac{4}{3}$, and $p=\frac{4}{5}$

30) $(m-n)^2$; use $m=\frac{7}{4}$, and $n=1$

31) $6\times\frac{y}{x}$; use $x=3$, and $y=2$

32) $q+r^2$; use $q=2$, and $r=1$

33) $x\div y^2$; use $x=\frac{5}{4}$, and $y=\frac{3}{2}$

34) $1+ab$; use $a=\frac{5}{6}$, and $b=\frac{1}{4}$

35) $x-\frac{x}{y}$; use $x=\frac{1}{2}$, and $y=\frac{4}{3}$

36) $(j-h)\div 6$; use $h=\frac{1}{5}$, and $j=\frac{5}{6}$

37) $\frac{m}{p}-p$; use $m=4$, and $p=\frac{1}{4}$

38) $\frac{5}{n}-m$; use $m=\frac{3}{2}$, and $n=\frac{1}{3}$

39) $y\times\frac{x}{1}$; use $x=2$, and $y=\frac{2}{3}$

40) p^2r; use $p=\frac{1}{2}$, and $r=\frac{1}{2}$

41) $\frac{x}{y}-x$; use $x=2$, and $y=\frac{2}{5}$

42) $(q+p)^3$; use $p=1$, and $q=\frac{1}{2}$

43) $b-\frac{a}{2}$; use $a=\frac{2}{3}$, and $b=1$

44) $h-(j-j)$; use $h=1$, and $j=\frac{3}{2}$

45) $5\times\frac{x}{y}$; use $x=2$, and $y=\frac{1}{2}$

46) $n+m^2$; use $m=\frac{2}{5}$, and $n=\frac{3}{2}$

47) $(4-m)\div q$; use $m=\frac{7}{4}$, and $q=1$

48) $y-(z-x)$; use $x=\frac{4}{3}$, $y=\frac{8}{5}$, and $z=\frac{5}{3}$

49) $(q-p)\div q$; use $p=\frac{5}{4}$, and $q=\frac{5}{3}$

50) $p+6q$; use $p=\frac{3}{2}$, and $q=\frac{2}{3}$

51) $yx+1$; use $x=\frac{2}{5}$, and $y=\frac{2}{3}$

52) $y+x^2$; use $x=1$, and $y=1$

53) $x-(x-y)$; use $x=\frac{3}{2}$, and $y=\frac{1}{4}$

54) $p-\frac{p}{q}$; use $p=\frac{11}{6}$, and $q=3$

55) $\frac{y^2}{x}$; use $x=\frac{1}{2}$, and $y=2$

56) $(n+p)^2$; use $n=2$, and $p=\frac{6}{5}$

57) $h-j^2$; use $h=1$, and $j=\frac{3}{5}$

58) $y\times\frac{x}{4}$; use $x=\frac{1}{3}$, and $y=2$

59) $4xy$; use $x=6$, and $y=\frac{1}{4}$

60) $\frac{5n}{m}$; use $m=1$, and $n=\frac{1}{6}$

61) $z + z + x$; use $x = 1$, and $z = 2$

62) $a^2 + b$; use $a = \frac{3}{4}$, and $b = 2$

63) $(y - 1) \div x$; use $x = \frac{1}{3}$, and $y = \frac{3}{2}$

64) $j + h - j$; use $h = \frac{2}{3}$, and $j = \frac{4}{3}$

65) $(6 - m) \div p$; use $m = \frac{2}{5}$, and $p = 1$

66) $x(3 - y)$; use $x = 4$, and $y = 1$

67) $a^2 \div b$; use $a = \frac{5}{3}$, and $b = \frac{5}{3}$

68) $y(y - x)$; use $x = \frac{3}{5}$, and $y = \frac{4}{5}$

69) $n - m^2$; use $m = \frac{1}{6}$, and $n = \frac{1}{2}$

70) $p - (q - q)$; use $p = 2$, and $q = 2$

71) $\frac{4}{x} - y$; use $x = 2$, and $y = 1$

72) $j + \frac{h}{k}$; use $h = \frac{5}{3}$, $j = \frac{5}{4}$, and $k = \frac{3}{4}$

73) $b(b + a)$; use $a = \frac{3}{2}$, and $b = \frac{1}{2}$

74) $b^2 - a$; use $a = \frac{1}{4}$, and $b = \frac{4}{3}$

75) $m + n + m$; use $m = \frac{1}{3}$, and $n = \frac{5}{3}$

76) $4 \div (x - y)$; use $x = 2$, and $y = \frac{2}{3}$

77) $p^2 - q$; use $p = \frac{9}{5}$, and $q = \frac{3}{5}$

78) $b \div (2 - a)$; use $a = \frac{7}{5}$, and $b = \frac{2}{3}$

79) $xy + y$; use $x = 2$, and $y = 2$

80) $2 + a + b$; use $a = \frac{3}{2}$, and $b = \frac{3}{4}$

81) $4 - \frac{m}{p}$; use $m = \frac{1}{6}$, and $p = \frac{7}{5}$

82) $3 + n + m$; use $m = \frac{1}{2}$, and $n = \frac{2}{3}$

83) $m + \frac{p}{m}$; use $m = \frac{3}{2}$, and $p = \frac{1}{2}$

84) xz^2; use $x = 2$, and $z = \frac{5}{6}$

85) $(q + q) \div r$; use $q = \frac{5}{3}$, and $r = \frac{1}{2}$

86) $(a + b) \div c$; use $a = 2$, $b = \frac{3}{2}$, and $c = \frac{1}{2}$

87) $4 - (j + h)$; use $h = \frac{3}{2}$, and $j = \frac{11}{6}$

88) $(z + x)^3$; use $x = \frac{5}{3}$, and $z = \frac{1}{2}$

89) $2 - \frac{p}{m}$; use $m = 4$, and $p = \frac{1}{3}$

90) $(x + y)^3$; use $x = \frac{4}{5}$, and $y = \frac{9}{5}$

91) $p(m + m)$; use $m = 1$, and $p = \frac{1}{2}$

92) $q - (2 - p)$; use $p = \frac{4}{5}$, and $q = \frac{3}{2}$

93) $\left(\frac{h}{j}\right)^2$; use $h = \frac{8}{5}$, and $j = 1$

94) $6 + m - p$; use $m = 2$, and $p = 2$

95) $b \div (a + b)$; use $a = 1$, and $b = \frac{1}{3}$

96) $y - x^2$; use $x = \frac{1}{3}$, and $y = \frac{5}{3}$

97) $\frac{p}{3} + q$; use $p = \frac{2}{3}$, and $q = \frac{9}{5}$

98) $5 \times \frac{p}{m}$; use $m = \frac{4}{3}$, and $p = 1$

99) $y(z + x)$; use $x = 1$, $y = 2$, and $z = 2$

100) $h + j + h$; use $h = \frac{1}{2}$, and $j = \frac{4}{5}$

101) $(m^2)^3 + n$; use $m = \frac{1}{4}$, and $n = \frac{9}{5}$

102) $(x + 4x) \div z$; use $x = \frac{1}{4}$, and $z = \frac{7}{5}$

103) $(10q - 4) \div p$; use $p = 10$, and $q = \frac{3}{4}$

104) $(7p - m) \div m$; use $m = 2$, and $p = \frac{1}{2}$

105) $\frac{2x}{x} - y$; use $x = \frac{1}{3}$, and $y = \frac{8}{5}$

106) $j \times \frac{j^2}{k}$; use $j = 5$, and $k = \frac{12}{7}$

107) $y + x - (y - x)$; use $x = \frac{1}{2}$, and $y = 1$

108) $yy^2 + x$; use $x = 1$, and $y = \frac{5}{7}$

109) $y(x + y^2)$; use $x = 7$, and $y = 4$

110) $a + a + a + b$; use $a = \frac{3}{2}$, and $b = \frac{11}{10}$

111) $(p + 5 - m) \div p$; use $m = \frac{6}{5}$, and $p = 1$

112) $h + \frac{12}{j}$; use $h = \frac{19}{10}$, and $j = 1$

113) $(y + y)(y + x)$; use $x = \frac{16}{9}$, and $y = 1$

114) $3 - \left(\frac{p}{p} + r\right)$; use $p = \frac{13}{9}$, and $r = \frac{6}{7}$

115) $p^2 - (r + p)$; use $p = 3$, and $r = \frac{1}{4}$

116) $(y + z)(z - 1)$; use $y = \frac{2}{5}$, and $z = \frac{9}{5}$

117) $8 - \frac{6}{b} + a$; use $a = \frac{1}{2}$, and $b = 2$

118) $y + y - \frac{x}{x}$; use $x = \frac{3}{4}$, and $y = 1$

119) $\frac{k}{k} - \frac{k}{h}$; use $h = \frac{3}{7}$, and $k = \frac{2}{7}$

120) $z - (x - x^3)$; use $x = \frac{1}{2}$, and $z = \frac{1}{2}$

121) $3y + x^2$; use $x = 2$, and $y = 2$

122) $x - (y + x) \div x$; use $x = 2$, and $y = \frac{1}{2}$

123) $m + 27 - p$; use $m = \frac{5}{3}$, and $p = 1$

124) $\frac{8p}{m} - p$; use $m = 1$, and $p = \frac{3}{7}$

125) $p(q-(q-p))$; use $p=\frac{2}{3}$, and $q=\frac{3}{2}$

126) $\frac{q^2}{q}-p$; use $p=\frac{5}{4}$, and $q=2$

127) $2-x+\frac{y}{y}$; use $x=\frac{9}{5}$, and $y=\frac{3}{7}$

128) $z\left(y-\frac{x}{y}\right)$; use $x=\frac{4}{5}$, $y=3$, and $z=\frac{2}{3}$

129) $2h-j+j$; use $h=\frac{3}{4}$, and $j=\frac{1}{2}$

130) $2^2-(y+x)$; use $x=\frac{3}{4}$, and $y=\frac{6}{5}$

131) $5-p+2+m$; use $m=\frac{1}{3}$, and $p=2$

132) $7-m(m-n)$; use $m=2$, and $n=\frac{14}{9}$

133) $6\times\frac{q}{10}+p$; use $p=\frac{4}{3}$, and $q=\frac{11}{8}$

134) $(y^2)^2\div z$; use $y=2$, and $z=\frac{1}{3}$

135) $4\div(3-(a+b))$; use $a=\frac{8}{5}$, and $b=1$

136) $(5-x)^2-y$; use $x=\frac{3}{2}$, and $y=2$

137) $a(8-c)+a$; use $a=\frac{1}{2}$, and $c=\frac{17}{10}$

138) $\frac{9p}{qp}$; use $p=\frac{1}{5}$, and $q=5$

139) $7h+j-j$; use $h=5$, and $j=\frac{1}{2}$

140) $\frac{m}{5}-\frac{n}{m}$; use $m=5$, and $n=\frac{7}{4}$

141) $y(x-x^2)$; use $x=\frac{5}{9}$, and $y=\frac{4}{9}$

142) $\left(\frac{z}{y}\right)^3+z$; use $y=\frac{7}{5}$, and $z=1$

143) $q\times6\div(m+p)$; use $m=\frac{16}{9}$, $p=\frac{1}{7}$, and $q=\frac{4}{7}$

144) $x^3-(y+7)$; use $x=2$, and $y=\frac{1}{6}$

145) $x(y+x)^2$; use $x=\frac{2}{7}$, and $y=\frac{1}{3}$

146) $h(j+j+h)$; use $h=\frac{2}{7}$, and $j=\frac{5}{3}$

147) $(6+p)^2\div m$; use $m=1$, and $p=2$

148) $n-(m-n)^2$; use $m=\frac{11}{6}$, and $n=\frac{3}{2}$

149) $3-\frac{n}{m}-n$; use $m=\frac{3}{2}$, and $n=\frac{5}{8}$

150) $\left(\frac{9}{y}\right)^2-x$; use $x=\frac{2}{5}$, and $y=\frac{8}{5}$

151) $\frac{q}{p}+p^2$; use $p=\frac{7}{4}$, and $q=\frac{9}{7}$

152) $(y-y)\div6+x$; use $x=\frac{6}{5}$, and $y=1$

153) $5b^2+a$; use $a=\frac{1}{3}$, and $b=2$

154) $b+4a^3$; use $a=\frac{13}{8}$, and $b=\frac{13}{9}$

155) $(j+h+8)\div j$; use $h=\frac{5}{4}$, and $j=2$

156) $p \div (p(m+m))$; use $m=1$, and $p=2$

157) $n+m+n+8$; use $m=\frac{5}{3}$, and $n=\frac{5}{3}$

158) $(nm)^2 \div m$; use $m=\frac{1}{2}$, and $n=2$

159) $y+y+y-x$; use $x=1$, and $y=\frac{8}{9}$

160) $x \div (y-y^2)$; use $x=2$, and $y=\frac{1}{3}$

161) $q(p+q-p)$; use $p=\frac{19}{10}$, and $q=5$

162) $10-\left(h-\frac{j}{h}\right)$; use $h=\frac{11}{9}$, and $j=\frac{1}{3}$

163) $b-\frac{a^2}{b}$; use $a=\frac{4}{9}$, and $b=\frac{3}{2}$

164) $x^2-(x+y)$; use $x=5$, and $y=\frac{5}{3}$

165) $b+a-a^2$; use $a=\frac{8}{9}$, and $b=\frac{3}{4}$

166) $6\left(\frac{x}{y}\right)^2$; use $x=\frac{5}{4}$, and $y=5$

167) $(8-x+x) \div y$; use $x=\frac{8}{5}$, and $y=\frac{5}{4}$

168) $y+\frac{x}{y}+2$; use $x=1$, and $y=2$

169) $p-7-(q-q)$; use $p=10$, and $q=1$

170) $(m-n+5) \div n$; use $m=\frac{5}{4}$, and $n=1$

171) $2(b+c-c)$; use $b=\frac{1}{4}$, and $c=\frac{1}{4}$

172) $y \div (zy^3)$; use $y=\frac{16}{9}$, and $z=\frac{1}{2}$

173) $\frac{m}{p^3}$; use $m=\frac{9}{8}$, and $p=\frac{2}{5}$

174) $4 \div (a+8)+b$; use $a=\frac{2}{3}$, and $b=1$

175) $\frac{p}{p}+q-q$; use $p=\frac{7}{6}$, and $q=\frac{1}{5}$

176) $y-x+x^3$; use $x=1$, and $y=\frac{4}{3}$

177) $4-p+p+m$; use $m=\frac{1}{2}$, and $p=\frac{3}{2}$

178) $m(9-(n-p))$; use $m=2$, $n=2$, and $p=\frac{9}{8}$

179) $x^3 \div (3+z)$; use $x=2$, and $z=\frac{3}{2}$

180) $p-(2q)^2$; use $p=2$, and $q=\frac{1}{2}$

181) $(1+x)(7-y)$; use $x=\frac{5}{3}$, and $y=\frac{7}{4}$

182) $m^3(8+p)$; use $m=\frac{2}{3}$, and $p=2$

183) $4-(x+y) \div y$; use $x=\frac{1}{3}$, and $y=\frac{3}{4}$

184) $a(9b-a)$; use $a=\frac{1}{3}$, and $b=\frac{6}{7}$

185) $h+j \div (j+h)$; use $h=\frac{4}{3}$, and $j=\frac{3}{2}$

186) $p(4-m)+m$; use $m=\frac{9}{5}$, and $p=\frac{1}{5}$

187) $y+x+6^2$; use $x=\frac{3}{2}$, and $y=\frac{7}{5}$

188) $6 + j - (h - h)$; use $h = \frac{1}{9}$, and $j = \frac{10}{7}$

189) $x^2 + y^3$; use $x = \frac{1}{3}$, and $y = \frac{5}{3}$

190) $h(10 + jh)$; use $h = \frac{5}{9}$, and $j = \frac{5}{6}$

191) $b - b + \frac{6}{a}$; use $a = \frac{5}{8}$, and $b = \frac{1}{3}$

192) $8 + z \div (z + y)$; use $y = 5$, and $z = \frac{11}{8}$

193) $n - n + n - m$; use $m = \frac{3}{8}$, and $n = 1$

194) $6r - r + q$; use $q = \frac{3}{2}$, and $r = \frac{1}{2}$

195) $x + x(y + y)$; use $x = 9$, and $y = \frac{5}{4}$

196) $q - p - (m - p)$; use $m = \frac{10}{7}$, $p = \frac{1}{5}$, and $q = 2$

197) $10\left(\frac{z}{x}\right)^3$; use $x = 2$, and $z = \frac{3}{2}$

198) $(5 + h + j) \div h$; use $h = \frac{1}{2}$, and $j = \frac{1}{2}$

199) $3 \times \frac{y^2}{x}$; use $x = \frac{5}{3}$, and $y = \frac{1}{4}$

200) $p + p + 8 + q$; use $p = \frac{17}{10}$, and $q = \frac{5}{3}$

201) $x + y + x + 10^2$; use $x = \frac{1}{3}$, and $y = \frac{27}{14}$

202) $a - a + b^3 - a$; use $a = \frac{4}{5}$, and $b = \frac{9}{7}$

203) $m \div n^2 + \frac{n}{m}$; use $m = 1$, and $n = \frac{7}{6}$

204) $h - (h - (h^3 - j))$; use $h = \frac{13}{12}$, and $j = \frac{8}{7}$

205) $10y - \left(x + \frac{y}{x}\right)$; use $x = \frac{9}{5}$, and $y = \frac{1}{3}$

206) $p - m(m - m) + 13$; use $m = \frac{3}{4}$, and $p = \frac{9}{5}$

207) $y + x - (x - x)^2$; use $x = \frac{1}{3}$, and $y = \frac{7}{11}$

208) $\frac{y}{x} + y + y - x$; use $x = \frac{2}{3}$, and $y = \frac{5}{4}$

209) $j^2 + \frac{h}{h} + 5$; use $h = \frac{1}{3}$, and $j = \frac{6}{11}$

210) $q - p^2 \div (q - p)$; use $p = \frac{1}{5}$, and $q = \frac{6}{5}$

211) $12x \times (5 + x) \div y$; use $x = \frac{1}{15}$, and $y = 2$

212) $\frac{h}{j} - \frac{j}{2} + k$; use $h = \frac{1}{7}$, $j = \frac{1}{3}$, and $k = 2$

213) $\frac{x}{4}(14y - x)$; use $x = \frac{5}{8}$, and $y = 2$

214) $b + b - \frac{5}{15} - a$; use $a = \frac{26}{15}$, and $b = \frac{19}{10}$

215) $(m + p) \div (10(p + m))$; use $m = \frac{19}{14}$, and $p = \frac{28}{15}$

216) $(x + x) \div (y + y^3)$; use $x = \frac{11}{6}$, and $y = \frac{1}{8}$

217) $(p - m) \div n - (n - 2)$; use $m = \frac{8}{7}$, $n = 2$, and $p = \frac{3}{2}$

218) $(q + p) \div (p + p + 6)$; use $p = \frac{1}{3}$, and $q = \frac{1}{3}$

219) $z^2(z - (y - y))$; use $y = \frac{12}{7}$, and $z = 2$

220) $11 + y - (x^3 + 4)$; use $x = \frac{9}{11}$, and $y = 1$

221) $3 - (r + p - (q + r))$; use $p = 2$, $q = 1$, and $r = \frac{3}{7}$

222) $b + 6 + a \div (a + b)$; use $a = \frac{17}{11}$, and $b = \frac{1}{3}$

223) $jh \div (h - (h - h))$; use $h = 2$, and $j = 2$

224) $y - \left(x - \frac{x}{y^2}\right)$; use $x = \frac{7}{13}$, and $y = 9$

225) $15x + x - \frac{z}{10}$; use $x = \frac{1}{3}$, and $z = \frac{17}{11}$

226) $x + x - y + y - y$; use $x = \frac{3}{2}$, and $y = \frac{3}{2}$

227) $(11 + 14 - r) \div (6 + p)$; use $p = 2$, and $r = \frac{2}{3}$

228) $y \times 13 \div (6 + x - x)$; use $x = 8$, and $y = \frac{7}{10}$

229) $5 - m - \left(\frac{m}{p} + p\right)$; use $m = \frac{4}{5}$, and $p = \frac{19}{11}$

230) $6 + m \div (m - n + m)$; use $m = \frac{13}{10}$, and $n = \frac{5}{4}$

231) $a + a - (b^2 + a)$; use $a = 1$, and $b = \frac{1}{8}$

232) $x - y(y - (2 + z))$; use $x = 9$, $y = 4$, and $z = 2$

233) $(j - h)^2 + \frac{h}{h}$; use $h = \frac{14}{13}$, and $j = \frac{19}{15}$

234) $14 + y + x - yx$; use $x = \frac{4}{7}$, and $y = 2$

235) $2(14 + p) - (q + 4)$; use $p = \frac{2}{15}$, and $q = \frac{4}{3}$

236) $x \times \frac{13}{y}(11 - x)$; use $x = \frac{1}{3}$, and $y = \frac{11}{6}$

237) $(p(q + q)) \div (q + q)$; use $p = \frac{2}{13}$, and $q = \frac{11}{9}$

238) $m^2 + 11(n - m)$; use $m = \frac{1}{6}$, and $n = 1$

239) $(y - z) \div z + y - z$; use $y = 1$, and $z = \frac{14}{15}$

240) $x \times (x + 13)^2 \div y$; use $x = \frac{1}{2}$, and $y = \frac{6}{5}$

241) $y + x(12^2 - x)$; use $x = \frac{2}{3}$, and $y = \frac{7}{4}$

242) $\left(k - \frac{k}{j}\right)(k + j)$; use $j = 2$, and $k = 1$

243) $3(12 - b)(b - a)$; use $a = 1$, and $b = \frac{3}{2}$

244) $n^2 \times \frac{12}{m}$; use $m = \frac{9}{5}$, and $n = \frac{3}{2}$

245) $p + p^2 + q - q$; use $p = \frac{15}{11}$, and $q = \frac{1}{5}$

246) $(143 + x - y) \div x$; use $x = \frac{4}{3}$, and $y = 1$

247) $m \times (p + 11) \div m + 1$; use $m = \frac{1}{2}$, and $p = \frac{5}{9}$

248) $x \div ((y + y)(2 - x))$; use $x = \frac{3}{2}$, and $y = 2$

249) $(6y + y) \div (x + y)$; use $x = \frac{13}{7}$, and $y = 4$

250) $2n(m + m^2)$; use $m = \frac{11}{8}$, and $n = \frac{2}{9}$

251) $2(7(x - z) - z)$; use $x = \frac{23}{14}$, and $z = \frac{2}{3}$

252) $q(4 - qr) - q$; use $q = \frac{2}{3}$, and $r = 2$

253) $2^2 \div (c + c) - b$; use $b = 1$, and $c = \frac{5}{3}$

254) $j^2 \div h - j + j$; use $h = \frac{1}{5}$, and $j = \frac{25}{13}$

255) $x + x + x + y - y$; use $x = 1$, and $y = \frac{7}{4}$

256) $\frac{4n^2}{2} + m$; use $m = 1$, and $n = \frac{1}{5}$

257) $5 + 14 - (p + m^3)$; use $m = \frac{13}{11}$, and $p = \frac{6}{5}$

258) $\frac{7}{y} - y - \frac{y}{x}$; use $x = 2$, and $y = 1$

259) $(q - (p - p))(p + 15)$; use $p = 1$, and $q = 9$

260) $5^2 \times \frac{yz}{x}$; use $x = \frac{7}{5}$, $y = \frac{1}{2}$, and $z = \frac{9}{13}$

261) $m \div (13 - (n^3 + m))$; use $m = \frac{18}{11}$, and $n = \frac{5}{3}$

262) $12 + x + x - y - y$; use $x = \frac{11}{9}$, and $y = \frac{11}{10}$

263) $(a(14 - 1) - b) \div a$; use $a = \frac{8}{9}$, and $b = \frac{3}{2}$

264) $y + y + x - x + 12$; use $x = \frac{29}{15}$, and $y = 2$

265) $\frac{j}{h} - 4h - j$; use $h = \frac{4}{15}$, and $j = \frac{4}{9}$

266) $y(y^2)^2 + x$; use $x = \frac{7}{5}$, and $y = \frac{3}{5}$

267) $(10(b + a)) \div (a + b)$; use $a = 9$, and $b = \frac{3}{2}$

268) $p + m(m - (p - p))$; use $m = 2$, and $p = 1$

269) $m - 2 \div (11 + 3 - n)$; use $m = \frac{10}{7}$, and $n = \frac{2}{7}$

270) $6 - (3 - (zy + x))$; use $x = \frac{11}{6}$, $y = \frac{1}{2}$, and $z = \frac{1}{4}$

271) $x + \left(\frac{x}{y}\right)^3 + y$; use $x = \frac{1}{2}$, and $y = 2$

272) $p + (p + q) \div 2^2$; use $p = \frac{3}{2}$, and $q = \frac{21}{13}$

273) $(3 + b)(3a + a)$; use $a = \frac{1}{5}$, and $b = \frac{1}{3}$

274) $x \div (15(y - x) + y)$; use $x = \frac{17}{14}$, and $y = \frac{13}{7}$

275) $7 - 7 + 10(x + z)$; use $x = \frac{13}{9}$, and $z = 1$

276) $z + \frac{84}{14y}$; use $y = 14$, and $z = 2$

277) $q(3 + 15 - qm)$; use $m = 2$, and $q = \frac{1}{5}$

278) $n - (n - n) + m^2$; use $m = \frac{1}{10}$, and $n = \frac{5}{3}$

279) $x - y \div (x - x + y)$; use $x = \frac{9}{7}$, and $y = \frac{1}{2}$

280) $15 \times p \div (p + q^2)$; use $p = \frac{3}{8}$, and $q = \frac{4}{3}$

281) $(j + 8h + h) \div j$; use $h = \frac{5}{7}$, and $j = 2$

282) $\frac{15}{a}(b^2 + 13)$; use $a = \frac{21}{13}$, and $b = \frac{1}{7}$

283) $15^2 \div p - pm$; use $m = \frac{9}{13}$, and $p = 13$

284) $6(y + x + 5 + 2)$; use $x = 1$, and $y = \frac{5}{4}$

285) $(n - m)^2 + n + m$; use $m = \frac{3}{5}$, and $n = \frac{18}{13}$

286) $7 \div (x + x) - y + 4$; use $x = \frac{8}{5}$, and $y = 2$

287) $\frac{y}{x} \times (y + x) \div x$; use $x = \frac{1}{3}$, and $y = \frac{5}{4}$

288) $(p + 6)(q + p + 4)$; use $p = \frac{3}{4}$, and $q = 4$

289) $2x^2y^3$; use $x = \frac{1}{5}$, and $y = \frac{3}{2}$

290) $y + y - (x - x + x)$; use $x = \frac{9}{5}$, and $y = 1$

291) $y + \frac{9}{y}(y + x)$; use $x = 12$, and $y = 1$

292) $7b + b + c - 6$; use $b = \frac{2}{3}$, and $c = 14$

293) $((j - h)^2 + 11) \div 5$; use $h = 2$, and $j = 7$

294) $x^2 \div (14x + y)$; use $x = 2$, and $y = \frac{9}{8}$

295) $h - (j - j) + 4 - h$; use $h = \frac{5}{3}$, and $j = \frac{1}{3}$

296) $\frac{p}{n} + m^2 - p$; use $m = \frac{26}{15}$, $n = \frac{9}{5}$, and $p = \frac{4}{5}$

297) $5 \div \left(p - mm^2\right)$; use $m = \frac{5}{8}$, and $p = \frac{9}{8}$

298) $q^2 \div \left(8 - \left(p - q\right)\right)$; use $p = \frac{12}{7}$, and $q = \frac{12}{7}$

299) $72 - \frac{y}{x^2}$; use $x = \frac{1}{2}$, and $y = \frac{11}{7}$

300) $\left(x - y\right)\left(y + \frac{y}{y}\right)$; use $x = \frac{5}{3}$, and $y = \frac{7}{6}$

301) $yx + 9y - 17$; use $x = \frac{9}{20}$, and $y = 2$

302) $14 \div \left(j + 14 + hj\right)$; use $h = \frac{13}{15}$, and $j = \frac{2}{3}$

303) $h + j - j - \frac{j}{h}$; use $h = \frac{15}{16}$, and $j = \frac{7}{13}$

304) $b + 171 - \left(b - a\right)$; use $a = \frac{4}{3}$, and $b = \frac{29}{20}$

305) $\left(5n\right)^2 + m^3$; use $m = \frac{11}{6}$, and $n = \frac{3}{10}$

306) $\left(150 + x\right) \div \left(5 - y\right)$; use $x = \frac{15}{8}$, and $y = \frac{8}{7}$

307) $13\left(x + 14\right) - \left(5 - y\right)$; use $x = \frac{11}{12}$, and $y = \frac{8}{7}$

308) $p \times \frac{4}{m} - \frac{p}{m}$; use $m = \frac{5}{4}$, and $p = \frac{1}{7}$

309) $x - x \div \left(8x + y\right)$; use $x = \frac{7}{9}$, and $y = 1$

310) $4 \div \left(x - y\right) + x + y$; use $x = \frac{17}{12}$, and $y = \frac{1}{2}$

311) $\left(16 - \left(j + j\right)\right) \div h^3$; use $h = \frac{5}{4}$, and $j = \frac{1}{8}$

312) $9\left(j + j + h - j\right)$; use $h = \frac{2}{9}$, and $j = 18$

313) $p + 20 \times \frac{p}{q} + q$; use $p = \frac{3}{5}$, and $q = \frac{23}{20}$

314) $\left(x - x\right)^2 \div x + y$; use $x = \frac{11}{16}$, and $y = \frac{10}{7}$

315) $p + 18 \div \left(m + p + p\right)$; use $m = 4$, and $p = \frac{3}{2}$

316) $x\left(\left(y + z\right)^2 - x\right)$; use $x = \frac{3}{4}$, $y = 1$, and $z = \frac{3}{2}$

317) $m + 11 - m - \frac{n}{m}$; use $m = \frac{1}{5}$, and $n = \frac{5}{3}$

318) $\left(x + x\right) \div y \times y^2$; use $x = 2$, and $y = \frac{13}{16}$

319) $\left(x - y + 1\right) \div y^2$; use $x = \frac{21}{20}$, and $y = \frac{4}{9}$

320) $\left(q + r\right) \div p\left(p + q\right)$; use $p = \frac{4}{13}$, $q = \frac{2}{3}$, and $r = \frac{24}{19}$

321) $\left(8\left(b - 1\right) + c\right) \div 9$; use $b = \frac{6}{5}$, and $c = \frac{25}{13}$

322) $18\left(p + q^2p\right)$; use $p = \frac{1}{2}$, and $q = \frac{2}{3}$

323) $15 + \frac{a}{b} - \frac{b}{a}$; use $a = 2$, and $b = \frac{11}{9}$

324) $3 \times \left(j + 16 + h\right) \div j$; use $h = 2$, and $j = 1$

325) $13^2 - x \div \left(y + y\right)$; use $x = \frac{4}{5}$, and $y = \frac{3}{8}$

326) $z \times \left(x + z + x\right) \div 8$; use $x = \frac{5}{3}$, and $z = \frac{3}{4}$

327) $(y + x - x + y) \div x$; use $x = \frac{24}{13}$, and $y = 11$

328) $m + n + 144n$; use $m = \frac{33}{17}$, and $n = \frac{8}{17}$

329) $(p + p) \div p + 4 + q$; use $p = \frac{3}{2}$, and $q = \frac{29}{17}$

330) $\frac{y}{255x} + 12$; use $x = 2$, and $y = \frac{8}{5}$

331) $x \times \frac{y}{x}(x - 13)$; use $x = 19$, and $y = \frac{9}{5}$

332) $7 \times (q + q) \div p^2$; use $p = \frac{25}{13}$, and $q = \frac{25}{17}$

333) $y^3 \div (x(6 - y))$; use $x = \frac{12}{17}$, and $y = \frac{21}{11}$

334) $a \div (b + b)^2 + a$; use $a = \frac{5}{9}$, and $b = \frac{1}{3}$

335) $x + 17 - (y^2)^2$; use $x = \frac{22}{13}$, and $y = \frac{1}{4}$

336) $9 \div (x + y - y) + y$; use $x = \frac{4}{3}$, and $y = \frac{2}{3}$

337) $p - m + \frac{m}{4} + p$; use $m = \frac{3}{2}$, and $p = \frac{3}{2}$

338) $(h + 7 + h - j) \div j$; use $h = \frac{9}{14}$, and $j = \frac{8}{5}$

339) $(18(m^2 + 3)) \div n$; use $m = \frac{3}{2}$, and $n = 16$

340) $x + (x + y) \div (y - x)$; use $x = \frac{1}{3}$, and $y = \frac{13}{9}$

341) $(x - z - zx) \div z$; use $x = \frac{1}{2}$, and $z = \frac{1}{14}$

342) $n(17 + (m + 19) \div m)$; use $m = \frac{33}{17}$, and $n = \frac{1}{2}$

343) $q + 15 - \frac{r^2}{p}$; use $p = \frac{1}{2}$, $q = \frac{28}{19}$, and $r = \frac{1}{4}$

344) $2 + a - (a - c) \div b$; use $a = 1$, $b = \frac{8}{7}$, and $c = \frac{1}{12}$

345) $x(x + y + y + x)$; use $x = \frac{17}{18}$, and $y = \frac{25}{13}$

346) $j(j + 1 - h) - h$; use $h = \frac{3}{2}$, and $j = 8$

347) $5 - (2 + m) \div n^3$; use $m = \frac{2}{3}$, and $n = \frac{8}{7}$

348) $3\left(x - \left(\frac{y}{16}\right)^3\right)$; use $x = \frac{5}{9}$, and $y = \frac{3}{13}$

349) $y\left(\frac{7}{y} - x^2\right)$; use $x = 1$, and $y = \frac{1}{2}$

350) $6\left(8 - 8 \times \frac{p}{m}\right)$; use $m = \frac{10}{9}$, and $p = \frac{12}{11}$

351) $p \div (p^3 - (p - m))$; use $m = \frac{3}{14}$, and $p = \frac{17}{10}$

352) $q \times (p + 11 - p) \div p$; use $p = \frac{2}{3}$, and $q = \frac{13}{14}$

353) $m \div (5 - n(5 - m))$; use $m = \frac{7}{5}$, and $n = \frac{1}{2}$

354) $j + (8 - 3) \div 8h$; use $h = 19$, and $j = 1$

355) $18 \times x \div (y + x - 3)$; use $x = \frac{10}{7}$, and $y = 8$

356) $9 - \frac{y}{126x}$; use $x = \frac{1}{3}$, and $y = \frac{13}{8}$

357) $y + 19 - z - \frac{x}{x}$; use $x = \frac{15}{11}$, $y = 1$, and $z = \frac{5}{4}$

358) $11 \div b^2(a - b)$; use $a = 1$, and $b = \frac{1}{2}$

359) $(p + 3 - m)(n + p)$; use $m = \frac{2}{3}$, $n = \frac{10}{9}$, and $p = 1$

360) $2 + 15 - x^2 + y$; use $x = \frac{3}{11}$, and $y = \frac{2}{5}$

361) $m(n - n + m^2)$; use $m = \frac{2}{3}$, and $n = \frac{5}{3}$

362) $2 \times 10p \div (q - p)$; use $p = \frac{1}{3}$, and $q = 1$

363) $\frac{x}{z} + x - (z - 9)$; use $x = 17$, and $z = 11$

364) $15y \div (11 + x + y)$; use $x = \frac{13}{7}$, and $y = \frac{1}{3}$

365) $16y^2 \times \frac{z}{y}$; use $y = \frac{2}{3}$, and $z = \frac{11}{6}$

366) $b + a + 10 + 2 - b$; use $a = \frac{5}{7}$, and $b = \frac{1}{2}$

367) $x - y + 17y - x$; use $x = 1$, and $y = \frac{7}{10}$

368) $\frac{k}{j}(6 - (k - k))$; use $j = \frac{33}{17}$, and $k = \frac{27}{14}$

369) $m\left(\frac{p}{13} + 9 + p\right)$; use $m = \frac{4}{19}$, and $p = \frac{20}{17}$

370) $19(q + q \div p^2)$; use $p = \frac{20}{11}$, and $q = \frac{5}{3}$

371) $(y^2 + 7) \div (x + x)$; use $x = \frac{7}{4}$, and $y = \frac{1}{2}$

372) $12 - (b - a \div (a + a))$; use $a = \frac{1}{8}$, and $b = 1$

373) $\left(\frac{10}{2}\right)^2 + \frac{y}{x}$; use $x = \frac{13}{11}$, and $y = \frac{2}{11}$

374) $x + x - (x - y^2)$; use $x = \frac{8}{7}$, and $y = \frac{16}{17}$

375) $(12 + b) \div (a + a^3)$; use $a = \frac{9}{19}$, and $b = \frac{23}{18}$

376) $j^2 + h \div j^3$; use $h = \frac{3}{4}$, and $j = \frac{4}{3}$

377) $y - y + \frac{14}{x} + 20$; use $x = \frac{4}{5}$, and $y = \frac{6}{5}$

378) $2 - m + \frac{36}{n}$; use $m = \frac{29}{15}$, and $n = \frac{5}{4}$

379) $p + p - \frac{q}{50}$; use $p = \frac{5}{4}$, and $q = \frac{12}{11}$

380) $p + 10 - (10 + p - m)$; use $m = \frac{17}{12}$, and $p = \frac{17}{12}$

381) $(x - (x - z))(y - x)$; use $x = \frac{3}{2}$, $y = 18$, and $z = \frac{3}{4}$

382) $12^2 - (b - a)^2$; use $a = \frac{1}{19}$, and $b = \frac{1}{18}$

383) $(9 - (m + q)) \div (4 - p)$; use $m = \frac{2}{19}$, $p = \frac{21}{19}$, and $q = \frac{12}{11}$

384) $72 + y + x$; use $x = \frac{1}{3}$, and $y = \frac{14}{13}$

385) $4y\left(8 + \frac{x}{y}\right)$; use $x = 1$, and $y = \frac{10}{19}$

386) $(p + q)^3 - (r + q)$; use $p = \frac{21}{16}$, $q = \frac{7}{6}$, and $r = \frac{6}{19}$

387) $(11 + h)^2 \div (3 - j)$; use $h = \frac{19}{16}$, and $j = \frac{9}{7}$

388) $19b^2 - (b + a)$; use $a = \frac{5}{6}$, and $b = \frac{19}{10}$

389) $m^2q^2 + p$; use $m = \frac{3}{5}$, $p = \frac{11}{7}$, and $q = 7$

390) $y \div (x(z + y + x))$; use $x = \frac{1}{4}$, $y = \frac{37}{19}$, and $z = \frac{3}{17}$

391) $(x + x) \div y - \frac{11}{16}$; use $x = \frac{14}{9}$, and $y = \frac{7}{8}$

392) $xy - 6(x - x)$; use $x = \frac{7}{8}$, and $y = 2$

393) $n + \frac{n}{m} - (n - n)$; use $m = \frac{6}{5}$, and $n = \frac{7}{20}$

394) $p(5 + p(m - 1))$; use $m = 6$, and $p = \frac{1}{2}$

395) $\frac{n}{m} + 12 \times \frac{m}{n}$; use $m = \frac{7}{8}$, and $n = 1$

396) $p^2 - (q + 14 - q)$; use $p = 6$, and $q = \frac{1}{2}$

397) $20 \div (6 - j) - (h - j)$; use $h = 1$, and $j = \frac{8}{9}$

398) $y \div (y + y)(x + 4)$; use $x = \frac{8}{5}$, and $y = \frac{9}{8}$

399) $(y^2)^2 - (x - x)$; use $x = \frac{27}{20}$, and $y = 1$

400) $(b + a) \div a - (b - b)$; use $a = \frac{2}{5}$, and $b = \frac{17}{15}$

401) $(13mn^2 + 23) \div m$; use $m = 2$, and $n = \frac{1}{3}$

402) $x(y + y + 9 - y^2)$; use $x = \frac{1}{4}$, and $y = \frac{4}{5}$

403) $30 + h - j - (j + j - h)$; use $h = \frac{1}{3}$, and $j = \frac{1}{6}$

404) $(m+6) \div m^2 - (p+m)$; use $m = \frac{7}{8}$, and $p = \frac{5}{6}$

405) $2z(20-y) - \frac{30}{2}$; use $y = \frac{3}{7}$, and $z = \frac{4}{5}$

406) $q \times (17+q) \div p - p^2$; use $p = 1$, and $q = \frac{13}{20}$

407) $x + y + x - (x+y) + y$; use $x = \frac{15}{13}$, and $y = \frac{8}{15}$

408) $y - (y(8-x)) \div 22^2$; use $x = \frac{1}{2}$, and $y = 15$

409) $(j(h+h)+k) \div 21j$; use $h = \frac{2}{13}$, $j = \frac{1}{27}$, and $k = \frac{16}{11}$

410) $a^2 \div (12(a+c-b))$; use $a = 1$, $b = \frac{16}{21}$, and $c = \frac{1}{2}$

411) $\frac{16}{z} + \frac{z}{z^2} + y$; use $y = 2$, and $z = \frac{2}{11}$

412) $j - (h + (j-h) \div (28-20))$; use $h = \frac{26}{17}$, and $j = 2$

413) $p + m + p + p(p+m)$; use $m = \frac{10}{11}$, and $p = \frac{1}{12}$

414) $(18m(n+n)) \div (n-m)$; use $m = \frac{9}{20}$, and $n = \frac{39}{29}$

415) $(yy^2) \div (20+x) + y$; use $x = \frac{23}{12}$, and $y = \frac{5}{6}$

416) $\frac{q}{q} - (p - (q - (p+p)))$; use $p = \frac{7}{12}$, and $q = \frac{5}{3}$

417) $\frac{100}{18y} - (x-x)$; use $x = \frac{41}{27}$, and $y = \frac{7}{30}$

418) $15 + \frac{10}{y} + y + x - y$; use $x = \frac{27}{22}$, and $y = 8$

419) $\frac{h}{78} + \left(\frac{j}{j}\right)^2$; use $h = \frac{20}{27}$, and $j = \frac{20}{13}$

420) $\frac{j^2}{h} + j + 7j$; use $h = 1$, and $j = 7$

421) $a + b^2(14-2b)$; use $a = \frac{31}{29}$, and $b = \frac{1}{7}$

422) $11\left(13y + x - \frac{y}{23}\right)$; use $x = \frac{36}{29}$, and $y = \frac{1}{6}$

423) $(25 - m^2) \div n - (14 - n)$; use $m = \frac{1}{5}$, and $n = \frac{14}{15}$

424) $(p + p + p) \div (m(p + 10))$; use $m = \frac{2}{7}$, and $p = \frac{4}{9}$

425) $x(y + 9) + x + \frac{23}{y}$; use $x = 14$, and $y = \frac{38}{23}$

426) $(p + q) \div (q - 12)^2 + 24$; use $p = \frac{5}{9}$, and $q = 21$

427) $\frac{y}{26}(x + 2)(z + y)$; use $x = \frac{16}{11}$, $y = 1$, and $z = \frac{11}{6}$

428) $x - y^2 \div 702^3$; use $x = \frac{4}{3}$, and $y = 2$

429) $19y - (y - x \div (z + y))$; use $x = \frac{12}{7}$, $y = \frac{3}{4}$, and $z = \frac{52}{29}$

430) $a + 19(b + a) - 9 + a$; use $a = \frac{27}{14}$, and $b = \frac{7}{4}$

431) $17^2 - \frac{p}{q} - q^2$; use $p = \frac{7}{4}$, and $q = \frac{29}{30}$

432) $(h + j - j) \div h + h - j$; use $h = 21$, and $j = 1$

433) $(3y)^2 \div (x + 10) - x$; use $x = \frac{9}{8}$, and $y = 2$

434) $(6 + 1)(p + 18 + m - p)$; use $m = 1$, and $p = \frac{5}{13}$

435) $(n - n)^3 + \frac{29}{27p}$; use $n = \frac{43}{30}$, and $p = \frac{12}{17}$

436) $x + 8 \div (y + 17 - (y - x))$; use $x = \frac{10}{21}$, and $y = \frac{38}{25}$

437) $3^2(y + x) - \frac{x}{x}$; use $x = \frac{27}{23}$, and $y = \frac{37}{21}$

438) $(p + q) \div (p - (p - 1)) - q$; use $p = \frac{37}{23}$, and $q = 2$

439) $17 + q - (p + p) \div 29p$; use $p = \frac{23}{25}$, and $q = \frac{11}{8}$

440) $(7(x + 26)) \div (20(y + 19))$; use $x = \frac{28}{25}$, and $y = \frac{5}{4}$

441) $(24y(x - y)) \div 2y$; use $x = \frac{29}{28}$, and $y = \frac{14}{27}$

442) $b + b - a + a \div (a + 24)$; use $a = \frac{1}{7}$, and $b = \frac{7}{5}$

443) $20(x \div (y - x) - y) - y$; use $x = 1$, and $y = \frac{5}{4}$

444) $x + 30(x + y) - 3^3$; use $x = \frac{43}{30}$, and $y = \frac{9}{5}$

445) $(m + m) \div m(6 - n^2)$; use $m = \frac{4}{3}$, and $n = 2$

446) $9 + \frac{x}{42} + y + y$; use $x = 2$, and $y = \frac{11}{13}$

447) $8 - 11(p + p) + \frac{21}{m}$; use $m = \frac{5}{3}$, and $p = \frac{2}{15}$

448) $(z(10 - z)) \div z - (y + x)$; use $x = \frac{7}{8}$, $y = \frac{8}{7}$, and $z = \frac{5}{16}$

449) $m^3 + n + n \times \frac{n}{1}$; use $m = 1$, and $n = \frac{19}{25}$

450) $x - x + (17(9 - y)) \div x$; use $x = \frac{19}{15}$, and $y = \frac{17}{9}$

451) $(26 - (j + h)) \div (h + h + 30)$; use $h = \frac{47}{30}$, and $j = \frac{35}{22}$

452) $21 \times \frac{x}{y} - 6y^2$; use $x = 1$, and $y = \frac{4}{19}$

453) $x + x + y \div (810 - x)$; use $x = \frac{25}{13}$, and $y = \frac{17}{13}$

454) $2j^2 + h - j^2$; use $h = \frac{4}{3}$, and $j = 17$

455) $(q^3 - q) \div 29pr$; use $p = \frac{3}{5}$, $q = \frac{3}{2}$, and $r = \frac{9}{10}$

456) $(b - b^3(a - a)) \div b$; use $a = \frac{4}{13}$, and $b = \frac{13}{25}$

457) $p \times \frac{p^2}{p}(m + 29)$; use $m = \frac{26}{17}$, and $p = \frac{5}{16}$

458) $23 - \frac{y}{x} + (x + x)^2$; use $x = 1$, and $y = \frac{20}{11}$

459) $\frac{p}{q} - (q^2 + p - q)$; use $p = 14$, and $q = \frac{11}{14}$

460) $(15x(27 - x - y)) \div y$; use $x = \frac{9}{20}$, and $y = \frac{27}{14}$

461) $x\left(23 - x - \frac{y^2}{y}\right)$; use $x = \frac{11}{13}$, and $y = 2$

462) $a \times \frac{b}{a}(b - ab)$; use $a = \frac{5}{8}$, and $b = \frac{3}{5}$

463) $n - n + m^2 - (16 - 8)$; use $m = 9$, and $n = \frac{8}{9}$

464) $x - (z^3 - (17 - 17) \div x)$; use $x = 29$, and $z = \frac{19}{30}$

465) $(p - 21(m - m)) \div p^3$; use $m = \frac{28}{29}$, and $p = \frac{9}{5}$

466) $27 - \left(\frac{x}{y} - y - (y - y)\right)$; use $x = 1$, and $y = 1$

467) $\frac{18r^4}{q}$; use $q = \frac{34}{19}$, and $r = 2$

468) $y \times \frac{yx}{5y} + 11$; use $x = \frac{1}{4}$, and $y = \frac{11}{14}$

469) $(p + q^3 + p) \div (q + p)$; use $p = \frac{13}{7}$, and $q = \frac{3}{26}$

470) $3^2 + z - y - z^3$; use $y = 2$, and $z = 2$

471) $b + 11 + a - (a - a) - a$; use $a = \frac{5}{9}$, and $b = \frac{16}{11}$

472) $h - h \div (j + j - j + j)$; use $h = \frac{23}{12}$, and $j = \frac{25}{19}$

473) $20 \div (26(j + k)) \times \frac{25}{3}$; use $j = \frac{6}{5}$, and $k = 1$

474) $x - (x - x) + (y + 30) \div y$; use $x = \frac{10}{11}$, and $y = \frac{27}{17}$

475) $m + \frac{n}{m} - m + \frac{m}{n}$; use $m = \frac{5}{11}$, and $n = \frac{29}{28}$

476) $23 \times \frac{8}{30} - \left(\frac{p}{m}\right)^2$; use $m = \frac{3}{2}$, and $p = \frac{20}{11}$

477) $24 - m - \left(2 - \frac{m}{20n}\right)$; use $m = \frac{19}{16}$, and $n = 12$

478) $x + x - \left(13y^2\right) \div 13$; use $x = \frac{12}{7}$, and $y = \frac{14}{23}$

479) $y^2(x + x)(x + x)$; use $x = \frac{13}{9}$, and $y = 2$

480) $x^3 - xy^2$; use $x = 2$, and $y = \frac{39}{25}$

481) $\frac{p}{28}(27 - q) - \frac{p}{q}$; use $p = \frac{9}{20}$, and $q = 2$

482) $y^2 + (x - y)^3 + 19$; use $x = \frac{19}{16}$, and $y = \frac{17}{19}$

483) $x + 9y \div (25(x - y))$; use $x = \frac{28}{25}$, and $y = \frac{2}{3}$

484) $((p - m)(19 + 6 - 14)) \div m$; use $m = \frac{53}{28}$, and $p = 27$

485) $15 - (j + 10) - (h^2)^2$; use $h = \frac{3}{23}$, and $j = \frac{5}{4}$

486) $(y + 2) \div (y(10 - z) + x)$; use $x = 1$, $y = \frac{3}{11}$, and $z = \frac{7}{5}$

487) $(27y)^2 + x - (x - y)$; use $x = 1$, and $y = \frac{2}{23}$

488) $(q + 6 + 25) \div \left(1 + r^2\right)$; use $q = \frac{55}{29}$, and $r = \frac{9}{11}$

489) $n - (8(n - n)) \div (21 - m)$; use $m = \frac{42}{25}$, and $n = 1$

490) $x^2 + \frac{x}{y} + 16 - x$; use $x = \frac{1}{6}$, and $y = 1$

491) $(26 - y)^2 \div (x + 27 - y)$; use $x = \frac{16}{11}$, and $y = \frac{27}{22}$

492) $zy + x + y + z^2$; use $x = \frac{11}{10}$, $y = \frac{7}{20}$, and $z = \frac{10}{11}$

493) $c \div (b(a - c + 15b))$; use $a = 1$, $b = \frac{10}{23}$, and $c = \frac{8}{17}$

494) $(m - 4)^2 \div (30 + mp)$; use $m = 8$, and $p = \frac{3}{19}$

495) $h \div (h - j) - (j + h - j)$; use $h = 1$, and $j = \frac{1}{3}$

496) $(28 - y) \div (24 - x - (y + y))$; use $x = \frac{7}{13}$, and $y = 10$

497) $8m - n + 14 \div (11 + n)$; use $m = \frac{3}{5}$, and $n = \frac{3}{2}$

498) $10(m + 7n) - m + 23$; use $m = \frac{4}{3}$, and $n = \frac{1}{9}$

499) $(z^3 y^2) \div z$; use $y = \frac{9}{20}$, and $z = 19$

500) $(y + y + x)(y - 22x)$; use $x = \frac{1}{17}$, and $y = \frac{4}{3}$

Evaluate each using the values given.

1) $m + \frac{m}{n}$; use $m = \frac{9}{5}$, and $n = 2$ $\frac{27}{10}$

2) $y \div (y + x)$; use $x = 2$, and $y = \frac{7}{4}$ $\frac{7}{15}$

3) $(p - m) \div m$; use $m = 1$, and $p = \frac{3}{2}$ $\frac{1}{2}$

4) $5(x - y)$; use $x = 1$, and $y = \frac{1}{5}$

4

5) $\frac{4}{x} + y$; use $x = \frac{4}{5}$, and $y = 2$

7

6) $\frac{h}{j} + h$; use $h = \frac{1}{2}$, and $j = \frac{3}{2}$ $\frac{5}{6}$

7) $\frac{q}{p} + q$; use $p = \frac{3}{5}$, and $q = \frac{2}{5}$ $\frac{16}{15}$

8) $b(a + 4)$; use $a = 2$, and $b = \frac{1}{2}$

3

9) $\frac{5y}{x}$; use $x = \frac{3}{2}$, and $y = \frac{1}{2}$ $\frac{5}{3}$

10) $3 + y - x$; use $x = 1$, and $y = \frac{1}{5}$ $\frac{11}{5}$

11) $5(y - x)$; use $x = 1$, and $y = \frac{8}{5}$

3

12) $5rq$; use $q = \frac{1}{2}$, and $r = \frac{4}{5}$

2

13) $y - (x + x)$; use $x = 2$, and $y = 6$

2

14) $h + j + j$; use $h = \frac{1}{2}$, and $j = 1$ $\frac{5}{2}$

15) $(6 - m) \div p$; use $m = \frac{5}{3}$, and $p = \frac{4}{3}$ $\frac{13}{4}$

16) $b + a - b$; use $a = 2$, and $b = \frac{3}{2}$

2

17) $4 + y - x$; use $x = \frac{9}{5}$, and $y = 2$ $\frac{21}{5}$

18) $h(j + j)$; use $h = 2$, and $j = \frac{7}{4}$

7

19) $p \times \frac{n}{1}$; use $n = 2$, and $p = \frac{1}{2}$

1

20) $m^3 + p$; use $m = \frac{11}{6}$, and $p = \frac{5}{3}$ $\frac{1691}{216}$

21) $(j - h)^2$; use $h = 1$, and $j = 5$

16

22) $q - (p - p)$; use $p = 2$, and $q = \frac{5}{3}$ $\frac{5}{3}$

23) $\frac{y}{yx}$; use $x = \frac{1}{2}$, and $y = \frac{2}{3}$

2

24) $(c + b)^2$; use $b = \frac{4}{3}$, and $c = 4$ $\frac{256}{9}$

25) $x(y + 2)$; use $x = 2$, and $y = \frac{5}{3}$ $\frac{22}{3}$

26) $j + 3h$; use $h = 2$, and $j = \frac{3}{2}$ $\frac{15}{2}$

27) $(x + y)^2$; use $x = \frac{1}{3}$, and $y = \frac{1}{2}$ $\frac{25}{36}$

28) $y + x + y$; use $x = \frac{1}{6}$, and $y = \frac{11}{6}$ $\frac{23}{6}$

29) $4-(m-p)$; use $m=\frac{4}{3}$, and $p=\frac{4}{5}$ $\frac{52}{15}$

30) $(m-n)^2$; use $m=\frac{7}{4}$, and $n=1$ $\frac{9}{16}$

31) $6\times\frac{y}{x}$; use $x=3$, and $y=2$

4

32) $q+r^2$; use $q=2$, and $r=1$

3

33) $x\div y^2$; use $x=\frac{5}{4}$, and $y=\frac{3}{2}$ $\frac{5}{9}$

34) $1+ab$; use $a=\frac{5}{6}$, and $b=\frac{1}{4}$ $\frac{29}{24}$

35) $x-\frac{x}{y}$; use $x=\frac{1}{2}$, and $y=\frac{4}{3}$ $\frac{1}{8}$

36) $(j-h)\div 6$; use $h=\frac{1}{5}$, and $j=\frac{5}{6}$ $\frac{19}{180}$

37) $\frac{m}{p}-p$; use $m=4$, and $p=\frac{1}{4}$ $\frac{63}{4}$

38) $\frac{5}{n}-m$; use $m=\frac{3}{2}$, and $n=\frac{1}{3}$ $\frac{27}{2}$

39) $y\times\frac{x}{1}$; use $x=2$, and $y=\frac{2}{3}$ $\frac{4}{3}$

40) p^2r; use $p=\frac{1}{2}$, and $r=\frac{1}{2}$ $\frac{1}{8}$

41) $\frac{x}{y}-x$; use $x=2$, and $y=\frac{2}{5}$

3

42) $(q+p)^3$; use $p=1$, and $q=\frac{1}{2}$ $\frac{27}{8}$

43) $b-\frac{a}{2}$; use $a=\frac{2}{3}$, and $b=1$ $\frac{2}{3}$

44) $h-(j-j)$; use $h=1$, and $j=\frac{3}{2}$

1

45) $5\times\frac{x}{y}$; use $x=2$, and $y=\frac{1}{2}$

20

46) $n+m^2$; use $m=\frac{2}{5}$, and $n=\frac{3}{2}$ $\frac{83}{50}$

47) $(4-m)\div q$; use $m=\frac{7}{4}$, and $q=1$ $\frac{9}{4}$

48) $y-(z-x)$; use $x=\frac{4}{3}$, $y=\frac{8}{5}$, and $z=\frac{5}{3}$ $\frac{19}{15}$

49) $(q-p)\div q$; use $p=\frac{5}{4}$, and $q=\frac{5}{3}$ $\frac{1}{4}$

50) $p+6q$; use $p=\frac{3}{2}$, and $q=\frac{2}{3}$ $\frac{11}{2}$

51) $yx+1$; use $x=\frac{2}{5}$, and $y=\frac{2}{3}$ $\frac{19}{15}$

52) $y+x^2$; use $x=1$, and $y=1$

2

53) $x-(x-y)$; use $x=\frac{3}{2}$, and $y=\frac{1}{4}$ $\frac{1}{4}$

54) $p-\frac{p}{q}$; use $p=\frac{11}{6}$, and $q=3$ $\frac{11}{9}$

55) $\frac{y^2}{x}$; use $x=\frac{1}{2}$, and $y=2$

8

56) $(n+p)^2$; use $n=2$, and $p=\frac{6}{5}$ $\frac{256}{25}$

57) $h-j^2$; use $h=1$, and $j=\frac{3}{5}$ $\frac{16}{25}$

58) $y\times\frac{x}{4}$; use $x=\frac{1}{3}$, and $y=2$ $\frac{1}{6}$

59) $4xy$; use $x=6$, and $y=\frac{1}{4}$

6

60) $\frac{5n}{m}$; use $m=1$, and $n=\frac{1}{6}$ $\frac{5}{6}$

61) $z + z + x$; use $x = 1$, and $z = 2$

5

62) $a^2 + b$; use $a = \frac{3}{4}$, and $b = 2$ $\frac{41}{16}$

63) $(y - 1) \div x$; use $x = \frac{1}{3}$, and $y = \frac{3}{2}$ $\frac{3}{2}$

64) $j + h - j$; use $h = \frac{2}{3}$, and $j = \frac{4}{3}$ $\frac{2}{3}$

65) $(6 - m) \div p$; use $m = \frac{2}{5}$, and $p = 1$ $\frac{28}{5}$

66) $x(3 - y)$; use $x = 4$, and $y = 1$

8

67) $a^2 \div b$; use $a = \frac{5}{3}$, and $b = \frac{5}{3}$ $\frac{5}{3}$

68) $y(y - x)$; use $x = \frac{3}{5}$, and $y = \frac{4}{5}$ $\frac{4}{25}$

69) $n - m^2$; use $m = \frac{1}{6}$, and $n = \frac{1}{2}$ $\frac{17}{36}$

70) $p - (q - q)$; use $p = 2$, and $q = 2$

2

71) $\frac{4}{x} - y$; use $x = 2$, and $y = 1$

1

72) $j + \frac{h}{k}$; use $h = \frac{5}{3}$, $j = \frac{5}{4}$, and $k = \frac{3}{4}$ $\frac{125}{36}$

73) $b(b + a)$; use $a = \frac{3}{2}$, and $b = \frac{1}{2}$

1

74) $b^2 - a$; use $a = \frac{1}{4}$, and $b = \frac{4}{3}$ $\frac{55}{36}$

75) $m + n + m$; use $m = \frac{1}{3}$, and $n = \frac{5}{3}$ $\frac{7}{3}$

76) $4 \div (x - y)$; use $x = 2$, and $y = \frac{2}{3}$

3

77) $p^2 - q$; use $p = \frac{9}{5}$, and $q = \frac{3}{5}$ $\frac{66}{25}$

78) $b \div (2 - a)$; use $a = \frac{7}{5}$, and $b = \frac{2}{3}$ $\frac{10}{9}$

79) $xy + y$; use $x = 2$, and $y = 2$

6

80) $2 + a + b$; use $a = \frac{3}{2}$, and $b = \frac{3}{4}$ $\frac{17}{4}$

81) $4 - \frac{m}{p}$; use $m = \frac{1}{6}$, and $p = \frac{7}{5}$ $\frac{163}{42}$

82) $3 + n + m$; use $m = \frac{1}{2}$, and $n = \frac{2}{3}$ $\frac{25}{6}$

83) $m + \frac{p}{m}$; use $m = \frac{3}{2}$, and $p = \frac{1}{2}$ $\frac{11}{6}$

84) xz^2; use $x = 2$, and $z = \frac{5}{6}$ $\frac{25}{18}$

85) $(q + q) \div r$; use $q = \frac{5}{3}$, and $r = \frac{1}{2}$ $\frac{20}{3}$

86) $(a + b) \div c$; use $a = 2$, $b = \frac{3}{2}$, and $c = \frac{1}{2}$

7

87) $4 - (j + h)$; use $h = \frac{3}{2}$, and $j = \frac{11}{6}$ $\frac{2}{3}$

88) $(z + x)^3$; use $x = \frac{5}{3}$, and $z = \frac{1}{2}$ $\frac{2197}{216}$

89) $2 - \frac{p}{m}$; use $m = 4$, and $p = \frac{1}{3}$ $\frac{23}{12}$

90) $(x + y)^3$; use $x = \frac{4}{5}$, and $y = \frac{9}{5}$ $\frac{2197}{125}$

91) $p(m + m)$; use $m = 1$, and $p = \frac{1}{2}$

1

92) $q - (2 - p)$; use $p = \frac{4}{5}$, and $q = \frac{3}{2}$ $\frac{3}{10}$

93) $\left(\frac{h}{j}\right)^2$; use $h=\frac{8}{5}$, and $j=1$ $\frac{64}{25}$

94) $6+m-p$; use $m=2$, and $p=2$
6

95) $b\div(a+b)$; use $a=1$, and $b=\frac{1}{3}$ $\frac{1}{4}$

96) $y-x^2$; use $x=\frac{1}{3}$, and $y=\frac{5}{3}$ $\frac{14}{9}$

97) $\frac{p}{3}+q$; use $p=\frac{2}{3}$, and $q=\frac{9}{5}$ $\frac{91}{45}$

98) $5\times\frac{p}{m}$; use $m=\frac{4}{3}$, and $p=1$ $\frac{15}{4}$

99) $y(z+x)$; use $x=1$, $y=2$, and $z=2$
6

100) $h+j+h$; use $h=\frac{1}{2}$, and $j=\frac{4}{5}$ $\frac{9}{5}$

101) $(m^2)^3+n$; use $m=\frac{1}{4}$, and $n=\frac{9}{5}$ $\frac{36869}{20480}$

102) $(x+4x)\div z$; use $x=\frac{1}{4}$, and $z=\frac{7}{5}$ $\frac{25}{28}$

103) $(10q-4)\div p$; use $p=10$, and $q=\frac{3}{4}$ $\frac{7}{20}$

104) $(7p-m)\div m$; use $m=2$, and $p=\frac{1}{2}$ $\frac{3}{4}$

105) $\frac{2x}{x}-y$; use $x=\frac{1}{3}$, and $y=\frac{8}{5}$ $\frac{2}{5}$

106) $j\times\frac{j^2}{k}$; use $j=5$, and $k=\frac{12}{7}$ $\frac{875}{12}$

107) $y+x-(y-x)$; use $x=\frac{1}{2}$, and $y=1$
1

108) yy^2+x; use $x=1$, and $y=\frac{5}{7}$ $\frac{468}{343}$

109) $y(x+y^2)$; use $x=7$, and $y=4$
92

110) $a+a+a+b$; use $a=\frac{3}{2}$, and $b=\frac{11}{10}$ $\frac{28}{5}$

111) $(p+5-m)\div p$; use $m=\frac{6}{5}$, and $p=1$ $\frac{24}{5}$

112) $h+\frac{12}{j}$; use $h=\frac{19}{10}$, and $j=1$ $\frac{139}{10}$

113) $(y+y)(y+x)$; use $x=\frac{16}{9}$, and $y=1$ $\frac{50}{9}$

114) $3-\left(\frac{p}{p}+r\right)$; use $p=\frac{13}{9}$, and $r=\frac{6}{7}$ $\frac{8}{7}$

115) $p^2-(r+p)$; use $p=3$, and $r=\frac{1}{4}$ $\frac{23}{4}$

116) $(y+z)(z-1)$; use $y=\frac{2}{5}$, and $z=\frac{9}{5}$ $\frac{44}{25}$

117) $8-\frac{6}{b}+a$; use $a=\frac{1}{2}$, and $b=2$ $\frac{11}{2}$

118) $y+y-\frac{x}{x}$; use $x=\frac{3}{4}$, and $y=1$
1

119) $\frac{k}{k}-\frac{k}{h}$; use $h=\frac{3}{7}$, and $k=\frac{2}{7}$ $\frac{1}{3}$

120) $z-(x-x^3)$; use $x=\frac{1}{2}$, and $z=\frac{1}{2}$ $\frac{1}{8}$

121) $3y+x^2$; use $x=2$, and $y=2$
10

122) $x-(y+x)\div x$; use $x=2$, and $y=\frac{1}{2}$ $\frac{3}{4}$

123) $m+27-p$; use $m=\frac{5}{3}$, and $p=1$ $\frac{83}{3}$

124) $\frac{8p}{m}-p$; use $m=1$, and $p=\frac{3}{7}$
3

125) $p(q-(q-p))$; use $p=\frac{2}{3}$, and $q=\frac{3}{2}$ $\frac{4}{9}$

126) $\frac{q^2}{q}-p$; use $p=\frac{5}{4}$, and $q=2$ $\frac{3}{4}$

127) $2-x+\frac{y}{y}$; use $x=\frac{9}{5}$, and $y=\frac{3}{7}$ $\frac{6}{5}$

128) $z\left(y-\frac{x}{y}\right)$; use $x=\frac{4}{5}$, $y=3$, and $z=\frac{2}{3}$ $\frac{82}{45}$

129) $2h-j+j$; use $h=\frac{3}{4}$, and $j=\frac{1}{2}$ $\frac{3}{2}$

130) $2^2-(y+x)$; use $x=\frac{3}{4}$, and $y=\frac{6}{5}$ $\frac{41}{20}$

131) $5-p+2+m$; use $m=\frac{1}{3}$, and $p=2$ $\frac{16}{3}$

132) $7-m(m-n)$; use $m=2$, and $n=\frac{14}{9}$ $\frac{55}{9}$

133) $6\times\frac{q}{10}+p$; use $p=\frac{4}{3}$, and $q=\frac{11}{8}$ $\frac{259}{120}$

134) $(y^2)^2\div z$; use $y=2$, and $z=\frac{1}{3}$

48

135) $4\div(3-(a+b))$; use $a=\frac{8}{5}$, and $b=1$

10

136) $(5-x)^2-y$; use $x=\frac{3}{2}$, and $y=2$ $\frac{41}{4}$

137) $a(8-c)+a$; use $a=\frac{1}{2}$, and $c=\frac{17}{10}$ $\frac{73}{20}$

138) $\frac{9p}{qp}$; use $p=\frac{1}{5}$, and $q=5$ $\frac{9}{5}$

139) $7h+j-j$; use $h=5$, and $j=\frac{1}{2}$

35

140) $\frac{m}{5}-\frac{n}{m}$; use $m=5$, and $n=\frac{7}{4}$ $\frac{13}{20}$

141) $y(x-x^2)$; use $x=\frac{5}{9}$, and $y=\frac{4}{9}$ $\frac{80}{729}$

142) $\left(\frac{z}{y}\right)^3+z$; use $y=\frac{7}{5}$, and $z=1$ $\frac{468}{343}$

143) $q\times6\div(m+p)$; use $m=\frac{16}{9}$, $p=\frac{1}{7}$, and $q=\frac{4}{7}$ $\frac{216}{121}$

144) $x^3-(y+7)$; use $x=2$, and $y=\frac{1}{6}$ $\frac{5}{6}$

145) $x(y+x)^2$; use $x=\frac{2}{7}$, and $y=\frac{1}{3}$ $\frac{338}{3087}$

146) $h(j+j+h)$; use $h=\frac{2}{7}$, and $j=\frac{5}{3}$ $\frac{152}{147}$

147) $(6+p)^2\div m$; use $m=1$, and $p=2$

64

148) $n-(m-n)^2$; use $m=\frac{11}{6}$, and $n=\frac{3}{2}$ $\frac{25}{18}$

149) $3-\frac{n}{m}-n$; use $m=\frac{3}{2}$, and $n=\frac{5}{8}$ $\frac{47}{24}$

150) $\left(\frac{9}{y}\right)^2-x$; use $x=\frac{2}{5}$, and $y=\frac{8}{5}$ $\frac{9997}{320}$

151) $\frac{q}{p}+p^2$; use $p=\frac{7}{4}$, and $q=\frac{9}{7}$ $\frac{2977}{784}$

152) $(y-y)\div6+x$; use $x=\frac{6}{5}$, and $y=1$ $\frac{6}{5}$

153) $5b^2+a$; use $a=\frac{1}{3}$, and $b=2$ $\frac{61}{3}$

154) $b+4a^3$; use $a=\frac{13}{8}$, and $b=\frac{13}{9}$ $\frac{21437}{1152}$

155) $(j+h+8)\div j$; use $h=\frac{5}{4}$, and $j=2$ $\frac{45}{8}$

156) $p \div (p(m+m))$; use $m=1$, and $p=2$ $\frac{1}{2}$

157) $n+m+n+8$; use $m=\frac{5}{3}$, and $n=\frac{5}{3}$ 13

158) $(nm)^2 \div m$; use $m=\frac{1}{2}$, and $n=2$ 2

159) $y+y+y-x$; use $x=1$, and $y=\frac{8}{9}$ $\frac{5}{3}$

160) $x \div (y-y^2)$; use $x=2$, and $y=\frac{1}{3}$ 9

161) $q(p+q-p)$; use $p=\frac{19}{10}$, and $q=5$ 25

162) $10-\left(h-\frac{j}{h}\right)$; use $h=\frac{11}{9}$, and $j=\frac{1}{3}$ $\frac{896}{99}$

163) $b-\frac{a^2}{b}$; use $a=\frac{4}{9}$, and $b=\frac{3}{2}$ $\frac{665}{486}$

164) $x^2-(x+y)$; use $x=5$, and $y=\frac{5}{3}$ $\frac{55}{3}$

165) $b+a-a^2$; use $a=\frac{8}{9}$, and $b=\frac{3}{4}$ $\frac{275}{324}$

166) $6\left(\frac{x}{y}\right)^2$; use $x=\frac{5}{4}$, and $y=5$ $\frac{3}{8}$

167) $(8-x+x) \div y$; use $x=\frac{8}{5}$, and $y=\frac{5}{4}$ $\frac{32}{5}$

168) $y+\frac{x}{y}+2$; use $x=1$, and $y=2$ $\frac{9}{2}$

169) $p-7-(q-q)$; use $p=10$, and $q=1$ 3

170) $(m-n+5) \div n$; use $m=\frac{5}{4}$, and $n=1$ $\frac{21}{4}$

171) $2(b+c-c)$; use $b=\frac{1}{4}$, and $c=\frac{1}{4}$ $\frac{1}{2}$

172) $y \div (zy^3)$; use $y=\frac{16}{9}$, and $z=\frac{1}{2}$ $\frac{81}{128}$

173) $\frac{m}{p^3}$; use $m=\frac{9}{8}$, and $p=\frac{2}{5}$ $\frac{1125}{64}$

174) $4 \div (a+8)+b$; use $a=\frac{2}{3}$, and $b=1$ $\frac{19}{13}$

175) $\frac{p}{p}+q-q$; use $p=\frac{7}{6}$, and $q=\frac{1}{5}$ 1

176) $y-x+x^3$; use $x=1$, and $y=\frac{4}{3}$ $\frac{4}{3}$

177) $4-p+p+m$; use $m=\frac{1}{2}$, and $p=\frac{3}{2}$ $\frac{9}{2}$

178) $m(9-(n-p))$; use $m=2$, $n=2$, and $p=\frac{9}{8}$ $\frac{65}{4}$

179) $x^3 \div (3+z)$; use $x=2$, and $z=\frac{3}{2}$ $\frac{16}{9}$

180) $p-(2q)^2$; use $p=2$, and $q=\frac{1}{2}$ 1

181) $(1+x)(7-y)$; use $x=\frac{5}{3}$, and $y=\frac{7}{4}$ 14

182) $m^3(8+p)$; use $m=\frac{2}{3}$, and $p=2$ $\frac{80}{27}$

183) $4-(x+y) \div y$; use $x=\frac{1}{3}$, and $y=\frac{3}{4}$ $\frac{23}{9}$

184) $a(9b-a)$; use $a=\frac{1}{3}$, and $b=\frac{6}{7}$ $\frac{155}{63}$

185) $h+j \div (j+h)$; use $h=\frac{4}{3}$, and $j=\frac{3}{2}$ $\frac{95}{51}$

186) $p(4-m)+m$; use $m=\frac{9}{5}$, and $p=\frac{1}{5}$ $\frac{56}{25}$

187) $y+x+6^2$; use $x=\frac{3}{2}$, and $y=\frac{7}{5}$ $\frac{389}{10}$

188) $6 + j - (h - h)$; use $h = \frac{1}{9}$, and $j = \frac{10}{7}$ $\frac{52}{7}$

189) $x^2 + y^3$; use $x = \frac{1}{3}$, and $y = \frac{5}{3}$ $\frac{128}{27}$

190) $h(10 + jh)$; use $h = \frac{5}{9}$, and $j = \frac{5}{6}$ $\frac{2825}{486}$

191) $b - b + \frac{6}{a}$; use $a = \frac{5}{8}$, and $b = \frac{1}{3}$ $\frac{48}{5}$

192) $8 + z \div (z + y)$; use $y = 5$, and $z = \frac{11}{8}$ $\frac{419}{51}$

193) $n - n + n - m$; use $m = \frac{3}{8}$, and $n = 1$ $\frac{5}{8}$

194) $6r - r + q$; use $q = \frac{3}{2}$, and $r = \frac{1}{2}$

4

195) $x + x(y + y)$; use $x = 9$, and $y = \frac{5}{4}$ $\frac{63}{2}$

196) $q - p - (m - p)$; use $m = \frac{10}{7}$, $p = \frac{1}{5}$, and $q = 2$ $\frac{4}{7}$

197) $10\left(\frac{z}{x}\right)^3$; use $x = 2$, and $z = \frac{3}{2}$ $\frac{135}{32}$

198) $(5 + h + j) \div h$; use $h = \frac{1}{2}$, and $j = \frac{1}{2}$

12

199) $3 \times \frac{y^2}{x}$; use $x = \frac{5}{3}$, and $y = \frac{1}{4}$ $\frac{9}{80}$

200) $p + p + 8 + q$; use $p = \frac{17}{10}$, and $q = \frac{5}{3}$ $\frac{196}{15}$

201) $x + y + x + 10^2$; use $x = \frac{1}{3}$, and $y = \frac{27}{14}$ $\frac{4309}{42}$

202) $a - a + b^3 - a$; use $a = \frac{4}{5}$, and $b = \frac{9}{7}$ $\frac{2273}{1715}$

203) $m \div n^2 + \frac{n}{m}$; use $m = 1$, and $n = \frac{7}{6}$ $\frac{559}{294}$

204) $h - (h - (h^3 - j))$; use $h = \frac{13}{12}$, and $j = \frac{8}{7}$ $\frac{1555}{12096}$

205) $10y - \left(x + \frac{y}{x}\right)$; use $x = \frac{9}{5}$, and $y = \frac{1}{3}$ $\frac{182}{135}$

206) $p - m(m - m) + 13$; use $m = \frac{3}{4}$, and $p = \frac{9}{5}$ $\frac{74}{5}$

207) $y + x - (x - x)^2$; use $x = \frac{1}{3}$, and $y = \frac{7}{11}$ $\frac{32}{33}$

208) $\frac{y}{x} + y + y - x$; use $x = \frac{2}{3}$, and $y = \frac{5}{4}$ $\frac{89}{24}$

209) $j^2 + \frac{h}{h} + 5$; use $h = \frac{1}{3}$, and $j = \frac{6}{11}$ $\frac{762}{121}$

210) $q - p^2 \div (q - p)$; use $p = \frac{1}{5}$, and $q = \frac{6}{5}$ $\frac{29}{25}$

211) $12x \times (5 + x) \div y$; use $x = \frac{1}{15}$, and $y = 2$ $\frac{152}{75}$

212) $\frac{h}{j} - \frac{j}{2} + k$; use $h = \frac{1}{7}$, $j = \frac{1}{3}$, and $k = 2$ $\frac{95}{42}$

213) $\frac{x}{4}(14y - x)$; use $x = \frac{5}{8}$, and $y = 2$ $\frac{1095}{256}$

214) $b + b - \frac{5}{15} - a$; use $a = \frac{26}{15}$, and $b = \frac{19}{10}$ $\frac{26}{15}$

215) $(m + p) \div (10(p + m))$; use $m = \frac{19}{14}$, and $p = \frac{28}{15}$ $\frac{1}{10}$

216) $(x + x) \div (y + y^3)$; use $x = \frac{11}{6}$, and $y = \frac{1}{8}$ $\frac{5632}{195}$

217) $(p-m)\div n-(n-2)$; use $m=\frac{8}{7}$, $n=2$, and $p=\frac{3}{2}$ $\frac{5}{28}$

218) $(q+p)\div(p+p+6)$; use $p=\frac{1}{3}$, and $q=\frac{1}{3}$ $\frac{1}{10}$

219) $z^2(z-(y-y))$; use $y=\frac{12}{7}$, and $z=2$

8

220) $11+y-(x^3+4)$; use $x=\frac{9}{11}$, and $y=1$ $\frac{9919}{1331}$

221) $3-(r+p-(q+r))$; use $p=2$, $q=1$, and $r=\frac{3}{7}$

2

222) $b+6+a\div(a+b)$; use $a=\frac{17}{11}$, and $b=\frac{1}{3}$ $\frac{1331}{186}$

223) $jh\div(h-(h-h))$; use $h=2$, and $j=2$

2

224) $y-\left(x-\frac{x}{y^2}\right)$; use $x=\frac{7}{13}$, and $y=9$ $\frac{8917}{1053}$

225) $15x+x-\frac{z}{10}$; use $x=\frac{1}{3}$, and $z=\frac{17}{11}$ $\frac{1709}{330}$

226) $x+x-y+y-y$; use $x=\frac{3}{2}$, and $y=\frac{3}{2}$ $\frac{3}{2}$

227) $(11+14-r)\div(6+p)$; use $p=2$, and $r=\frac{2}{3}$ $\frac{73}{24}$

228) $y\times 13\div(6+x-x)$; use $x=8$, and $y=\frac{7}{10}$ $\frac{91}{60}$

229) $5-m-\left(\frac{m}{p}+p\right)$; use $m=\frac{4}{5}$, and $p=\frac{19}{11}$ $\frac{420}{209}$

230) $6+m\div(m-n+m)$; use $m=\frac{13}{10}$, and $n=\frac{5}{4}$ $\frac{188}{27}$

231) $a+a-(b^2+a)$; use $a=1$, and $b=\frac{1}{8}$ $\frac{63}{64}$

232) $x-y(y-(2+z))$; use $x=9$, $y=4$, and $z=2$

9

233) $(j-h)^2+\frac{h}{h}$; use $h=\frac{14}{13}$, and $j=\frac{19}{15}$ $\frac{39394}{38025}$

234) $14+y+x-yx$; use $x=\frac{4}{7}$, and $y=2$ $\frac{108}{7}$

235) $2(14+p)-(q+4)$; use $p=\frac{2}{15}$, and $q=\frac{4}{3}$ $\frac{344}{15}$

236) $x\times\frac{13}{y}(11-x)$; use $x=\frac{1}{3}$, and $y=\frac{11}{6}$ $\frac{832}{33}$

237) $(p(q+q))\div(q+q)$; use $p=\frac{2}{13}$, and $q=\frac{11}{9}$ $\frac{2}{13}$

238) $m^2+11(n-m)$; use $m=\frac{1}{6}$, and $n=1$ $\frac{331}{36}$

239) $(y-z)\div z+y-z$; use $y=1$, and $z=\frac{14}{15}$ $\frac{29}{210}$

240) $x \times (x+13)^2 \div y$; use $x = \frac{1}{2}$, and $y = \frac{6}{5}$ $\frac{1215}{16}$

241) $y + x(12^2 - x)$; use $x = \frac{2}{3}$, and $y = \frac{7}{4}$ $\frac{3503}{36}$

242) $\left(k - \frac{k}{j}\right)(k + j)$; use $j = 2$, and $k = 1$ $\frac{3}{2}$

243) $3(12 - b)(b - a)$; use $a = 1$, and $b = \frac{3}{2}$ $\frac{63}{4}$

244) $n^2 \times \frac{12}{m}$; use $m = \frac{9}{5}$, and $n = \frac{3}{2}$
15

245) $p + p^2 + q - q$; use $p = \frac{15}{11}$, and $q = \frac{1}{5}$ $\frac{390}{121}$

246) $(143 + x - y) \div x$; use $x = \frac{4}{3}$, and $y = 1$ $\frac{215}{2}$

247) $m \times (p + 11) \div m + 1$; use $m = \frac{1}{2}$, and $p = \frac{5}{9}$ $\frac{113}{9}$

248) $x \div ((y + y)(2 - x))$; use $x = \frac{3}{2}$, and $y = 2$ $\frac{3}{4}$

249) $(6y + y) \div (x + y)$; use $x = \frac{13}{7}$, and $y = 4$ $\frac{196}{41}$

250) $2n(m + m^2)$; use $m = \frac{11}{8}$, and $n = \frac{2}{9}$ $\frac{209}{144}$

251) $2(7(x - z) - z)$; use $x = \frac{23}{14}$, and $z = \frac{2}{3}$ $\frac{37}{3}$

252) $q(4 - qr) - q$; use $q = \frac{2}{3}$, and $r = 2$ $\frac{10}{9}$

253) $2^2 \div (c + c) - b$; use $b = 1$, and $c = \frac{5}{3}$ $\frac{1}{5}$

254) $j^2 \div h - j + j$; use $h = \frac{1}{5}$, and $j = \frac{25}{13}$ $\frac{3125}{169}$

255) $x + x + x + y - y$; use $x = 1$, and $y = \frac{7}{4}$
3

256) $\frac{4n^2}{2} + m$; use $m = 1$, and $n = \frac{1}{5}$ $\frac{27}{25}$

257) $5 + 14 - (p + m^3)$; use $m = \frac{13}{11}$, and $p = \frac{6}{5}$ $\frac{107474}{6655}$

258) $\frac{7}{y} - y - \frac{y}{x}$; use $x = 2$, and $y = 1$ $\frac{11}{2}$

259) $(q - (p - p))(p + 15)$; use $p = 1$, and $q = 9$
144

260) $5^2 \times \frac{yz}{x}$; use $x = \frac{7}{5}$, $y = \frac{1}{2}$, and $z = \frac{9}{13}$ $\frac{1125}{182}$

261) $m \div (13 - (n^3 + m))$; use $m = \frac{18}{11}$, and $n = \frac{5}{3}$ $\frac{243}{1000}$

262) $12 + x + x - y - y$; use $x = \frac{11}{9}$, and $y = \frac{11}{10}$ $\frac{551}{45}$

263) $(a(14 - 1) - b) \div a$; use $a = \frac{8}{9}$, and $b = \frac{3}{2}$ $\frac{181}{16}$

264) $y + y + x - x + 12$; use $x = \frac{29}{15}$, and $y = 2$
16

265) $\frac{j}{h} - 4h - j$; use $h = \frac{4}{15}$, and $j = \frac{4}{9}$ $\frac{7}{45}$

266) $y(y^2)^2 + x$; use $x = \frac{7}{5}$, and $y = \frac{3}{5}$ $\frac{4618}{3125}$

267) $(10(b + a)) \div (a + b)$; use $a = 9$, and $b = \frac{3}{2}$
10

268) $p + m(m - (p - p))$; use $m = 2$, and $p = 1$
5

269) $m - 2 \div (11 + 3 - n)$; use $m = \frac{10}{7}$, and $n = \frac{2}{7}$ $\frac{431}{336}$

270) $6 - (3 - (zy + x))$; use $x = \frac{11}{6}$, $y = \frac{1}{2}$, and $z = \frac{1}{4}$ $\frac{119}{24}$

271) $x + \left(\frac{x}{y}\right)^3 + y$; use $x = \frac{1}{2}$, and $y = 2$ $\frac{161}{64}$

272) $p + (p + q) \div 2^2$; use $p = \frac{3}{2}$, and $q = \frac{21}{13}$ $\frac{237}{104}$

273) $(3 + b)(3a + a)$; use $a = \frac{1}{5}$, and $b = \frac{1}{3}$ $\frac{8}{3}$

274) $x \div (15(y - x) + y)$; use $x = \frac{17}{14}$, and $y = \frac{13}{7}$ $\frac{17}{161}$

275) $7 - 7 + 10(x + z)$; use $x = \frac{13}{9}$, and $z = 1$ $\frac{220}{9}$

276) $z + \frac{84}{14y}$; use $y = 14$, and $z = 2$ $\frac{17}{7}$

277) $q(3 + 15 - qm)$; use $m = 2$, and $q = \frac{1}{5}$ $\frac{88}{25}$

278) $n - (n - n) + m^2$; use $m = \frac{1}{10}$, and $n = \frac{5}{3}$ $\frac{503}{300}$

279) $x - y \div (x - x + y)$; use $x = \frac{9}{7}$, and $y = \frac{1}{2}$ $\frac{2}{7}$

280) $15 \times p \div (p + q^2)$; use $p = \frac{3}{8}$, and $q = \frac{4}{3}$ $\frac{81}{31}$

281) $(j + 8h + h) \div j$; use $h = \frac{5}{7}$, and $j = 2$ $\frac{59}{14}$

282) $\frac{15}{a}(b^2 + 13)$; use $a = \frac{21}{13}$, and $b = \frac{1}{7}$ $\frac{41470}{343}$

283) $15^2 \div p - pm$; use $m = \frac{9}{13}$, and $p = 13$ $\frac{108}{13}$

284) $6(y + x + 5 + 2)$; use $x = 1$, and $y = \frac{5}{4}$ $\frac{111}{2}$

285) $(n - m)^2 + n + m$; use $m = \frac{3}{5}$, and $n = \frac{18}{13}$ $\frac{10986}{4225}$

286) $7 \div (x + x) - y + 4$; use $x = \frac{8}{5}$, and $y = 2$ $\frac{67}{16}$

287) $\frac{y}{x} \times (y + x) \div x$; use $x = \frac{1}{3}$, and $y = \frac{5}{4}$ $\frac{285}{16}$

288) $(p + 6)(q + p + 4)$; use $p = \frac{3}{4}$, and $q = 4$ $\frac{945}{16}$

289) $2x^2y^3$; use $x = \frac{1}{5}$, and $y = \frac{3}{2}$ $\frac{27}{100}$

290) $y + y - (x - x + x)$; use $x = \frac{9}{5}$, and $y = 1$ $\frac{1}{5}$

291) $y + \frac{9}{y}(y + x)$; use $x = 12$, and $y = 1$ 118

292) $7b + b + c - 6$; use $b = \frac{2}{3}$, and $c = 14$ $\frac{40}{3}$

293) $((j - h)^2 + 11) \div 5$; use $h = 2$, and $j = 7$ $\frac{36}{5}$

294) $x^2 \div (14x + y)$; use $x = 2$, and $y = \frac{9}{8}$ $\frac{32}{233}$

295) $h - (j - j) + 4 - h$; use $h = \frac{5}{3}$, and $j = \frac{1}{3}$ 4

296) $\frac{p}{n} + m^2 - p$; use $m = \frac{26}{15}$, $n = \frac{9}{5}$, and $p = \frac{4}{5}$ $\frac{596}{225}$

297) $5 \div \left(p - mm^2\right)$; use $m = \frac{5}{8}$, and $p = \frac{9}{8}$ $\frac{2560}{451}$

298) $q^2 \div (8 - (p - q))$; use $p = \frac{12}{7}$, and $q = \frac{12}{7}$ $\frac{18}{49}$

299) $72 - \frac{y}{x^2}$; use $x = \frac{1}{2}$, and $y = \frac{11}{7}$ $\frac{460}{7}$

300) $(x - y)\left(y + \frac{y}{y}\right)$; use $x = \frac{5}{3}$, and $y = \frac{7}{6}$ $\frac{13}{12}$

301) $yx + 9y - 17$; use $x = \frac{9}{20}$, and $y = 2$ $\frac{19}{10}$

302) $14 \div (j + 14 + hj)$; use $h = \frac{13}{15}$, and $j = \frac{2}{3}$ $\frac{45}{49}$

303) $h + j - j - \frac{j}{h}$; use $h = \frac{15}{16}$, and $j = \frac{7}{13}$ $\frac{1133}{3120}$

304) $b + 171 - (b - a)$; use $a = \frac{4}{3}$, and $b = \frac{29}{20}$ $\frac{517}{3}$

305) $(5n)^2 + m^3$; use $m = \frac{11}{6}$, and $n = \frac{3}{10}$ $\frac{1817}{216}$

306) $(150 + x) \div (5 - y)$; use $x = \frac{15}{8}$, and $y = \frac{8}{7}$ $\frac{315}{8}$

307) $13(x + 14) - (5 - y)$; use $x = \frac{11}{12}$, and $y = \frac{8}{7}$ $\frac{15965}{84}$

308) $p \times \frac{4}{m} - \frac{p}{m}$; use $m = \frac{5}{4}$, and $p = \frac{1}{7}$ $\frac{12}{35}$

309) $x - x \div (8x + y)$; use $x = \frac{7}{9}$, and $y = 1$ $\frac{392}{585}$

310) $4 \div (x - y) + x + y$; use $x = \frac{17}{12}$, and $y = \frac{1}{2}$ $\frac{829}{132}$

311) $(16 - (j + j)) \div h^3$; use $h = \frac{5}{4}$, and $j = \frac{1}{8}$ $\frac{1008}{125}$

312) $9(j + j + h - j)$; use $h = \frac{2}{9}$, and $j = 18$

164

313) $p + 20 \times \frac{p}{q} + q$; use $p = \frac{3}{5}$, and $q = \frac{23}{20}$ $\frac{1121}{92}$

314) $(x - x)^2 \div x + y$; use $x = \frac{11}{16}$, and $y = \frac{10}{7}$ $\frac{10}{7}$

315) $p + 18 \div (m + p + p)$; use $m = 4$, and $p = \frac{3}{2}$ $\frac{57}{14}$

316) $x\left((y + z)^2 - x\right)$; use $x = \frac{3}{4}$, $y = 1$, and $z = \frac{3}{2}$ $\frac{33}{8}$

317) $m + 11 - m - \frac{n}{m}$; use $m = \frac{1}{5}$, and $n = \frac{5}{3}$ $\frac{8}{3}$

318) $(x + x) \div y \times y^2$; use $x = 2$, and $y = \frac{13}{16}$ $\frac{13}{4}$

319) $(x - y + 1) \div y^2$; use $x = \frac{21}{20}$, and $y = \frac{4}{9}$ $\frac{2601}{320}$

320) $(q + r) \div p(p + q)$; use $p = \frac{4}{13}$, $q = \frac{2}{3}$, and $r = \frac{24}{19}$ $\frac{55}{9}$

321) $(8(b - 1) + c) \div 9$; use $b = \frac{6}{5}$, and $c = \frac{25}{13}$ $\frac{229}{585}$

322) $18(p + q^2 p)$; use $p = \frac{1}{2}$, and $q = \frac{2}{3}$

13

323) $15 + \frac{a}{b} - \frac{b}{a}$; use $a = 2$, and $b = \frac{11}{9}$ $\frac{3173}{198}$

324) $3 \times (j + 16 + h) \div j$; use $h = 2$, and $j = 1$

57

325) $13^2 - x \div (y + y)$; use $x = \frac{4}{5}$, and $y = \frac{3}{8}$ $\frac{2519}{15}$

326) $z \times (x + z + x) \div 8$; use $x = \frac{5}{3}$, and $z = \frac{3}{4}$ $\frac{49}{128}$

327) $(y + x - x + y) \div x$; use $x = \frac{24}{13}$, and $y = 11$ $\frac{143}{12}$

328) $m + n + 144n$; use $m = \frac{33}{17}$, and $n = \frac{8}{17}$ $\frac{1193}{17}$

329) $(p + p) \div p + 4 + q$; use $p = \frac{3}{2}$, and $q = \frac{29}{17}$ $\frac{131}{17}$

330) $\frac{y}{255x} + 12$; use $x = 2$, and $y = \frac{8}{5}$ $\frac{15304}{1275}$

331) $x \times \frac{y}{x}(x - 13)$; use $x = 19$, and $y = \frac{9}{5}$ $\frac{54}{5}$

332) $7 \times (q + q) \div p^2$; use $p = \frac{25}{13}$, and $q = \frac{25}{17}$ $\frac{2366}{425}$

333) $y^3 \div (x(6 - y))$; use $x = \frac{12}{17}$, and $y = \frac{21}{11}$ $\frac{5831}{2420}$

334) $a \div (b + b)^2 + a$; use $a = \frac{5}{9}$, and $b = \frac{1}{3}$ $\frac{65}{36}$

335) $x + 17 - (y^2)^2$; use $x = \frac{22}{13}$, and $y = \frac{1}{4}$ $\frac{62195}{3328}$

336) $9 \div (x + y - y) + y$; use $x = \frac{4}{3}$, and $y = \frac{2}{3}$ $\frac{89}{12}$

337) $p - m + \frac{m}{4} + p$; use $m = \frac{3}{2}$, and $p = \frac{3}{2}$ $\frac{15}{8}$

338) $(h + 7 + h - j) \div j$; use $h = \frac{9}{14}$, and $j = \frac{8}{5}$ $\frac{117}{28}$

339) $(18(m^2 + 3)) \div n$; use $m = \frac{3}{2}$, and $n = 16$ $\frac{189}{32}$

340) $x + (x + y) \div (y - x)$; use $x = \frac{1}{3}$, and $y = \frac{13}{9}$ $\frac{29}{15}$

341) $(x - z - zx) \div z$; use $x = \frac{1}{2}$, and $z = \frac{1}{14}$ $\frac{11}{2}$

342) $n(17 + (m + 19) \div m)$; use $m = \frac{33}{17}$, and $n = \frac{1}{2}$ $\frac{917}{66}$

343) $q + 15 - \frac{r^2}{p}$; use $p = \frac{1}{2}$, $q = \frac{28}{19}$, and $r = \frac{1}{4}$ $\frac{2485}{152}$

344) $2 + a - (a - c) \div b$; use $a = 1$, $b = \frac{8}{7}$, and $c = \frac{1}{12}$ $\frac{211}{96}$

345) $x(x + y + y + x)$; use $x = \frac{17}{18}$, and $y = \frac{25}{13}$ $\frac{11407}{2106}$

346) $j(j + 1 - h) - h$; use $h = \frac{3}{2}$, and $j = 8$ $\frac{117}{2}$

347) $5 - (2 + m) \div n^3$; use $m = \frac{2}{3}$, and $n = \frac{8}{7}$ $\frac{617}{192}$

348) $3\left(x - \left(\frac{y}{16}\right)^3\right)$; use $x = \frac{5}{9}$, and $y = \frac{3}{13}$ $\frac{44994317}{26996736}$

349) $y\left(\frac{7}{y} - x^2\right)$; use $x = 1$, and $y = \frac{1}{2}$ $\frac{13}{2}$

350) $6\left(8 - 8 \times \frac{p}{m}\right)$; use $m = \frac{10}{9}$, and $p = \frac{12}{11}$ $\frac{48}{55}$

351) $p \div (p^3 - (p - m))$; use $m = \frac{3}{14}$, and $p = \frac{17}{10}$ $\frac{11900}{23991}$

352) $q \times (p + 11 - p) \div p$; use $p = \frac{2}{3}$, and $q = \frac{13}{14}$ $\frac{429}{28}$

353) $m \div (5 - n(5 - m))$; use $m = \frac{7}{5}$, and $n = \frac{1}{2}$ $\frac{7}{16}$

354) $j + (8 - 3) \div 8h$; use $h = 19$, and $j = 1$ $\frac{157}{152}$

355) $18 \times x \div (y + x - 3)$; use $x = \frac{10}{7}$, and $y = 8$ 4

356) $9 - \frac{y}{126x}$; use $x = \frac{1}{3}$, and $y = \frac{13}{8}$ $\frac{3011}{336}$

357) $y + 19 - z - \frac{x}{x}$; use $x = \frac{15}{11}$, $y = 1$, and $z = \frac{5}{4}$ $\frac{71}{4}$

358) $11 \div b^2(a - b)$; use $a = 1$, and $b = \frac{1}{2}$ 22

359) $(p + 3 - m)(n + p)$; use $m = \frac{2}{3}$, $n = \frac{10}{9}$, and $p = 1$ $\frac{190}{27}$

360) $2 + 15 - x^2 + y$; use $x = \frac{3}{11}$, and $y = \frac{2}{5}$ $\frac{10482}{605}$

361) $m(n - n + m^2)$; use $m = \frac{2}{3}$, and $n = \frac{5}{3}$ $\frac{8}{27}$

362) $2 \times 10p \div (q - p)$; use $p = \frac{1}{3}$, and $q = 1$ 10

363) $\frac{x}{z} + x - (z - 9)$; use $x = 17$, and $z = 11$ $\frac{182}{11}$

364) $15y \div (11 + x + y)$; use $x = \frac{13}{7}$, and $y = \frac{1}{3}$ $\frac{105}{277}$

365) $16y^2 \times \frac{z}{y}$; use $y = \frac{2}{3}$, and $z = \frac{11}{6}$ $\frac{176}{9}$

366) $b + a + 10 + 2 - b$; use $a = \frac{5}{7}$, and $b = \frac{1}{2}$ $\frac{89}{7}$

367) $x - y + 17y - x$; use $x = 1$, and $y = \frac{7}{10}$ $\frac{56}{5}$

368) $\frac{k}{j}(6 - (k - k))$; use $j = \frac{33}{17}$, and $k = \frac{27}{14}$ $\frac{459}{77}$

369) $m\left(\frac{p}{13} + 9 + p\right)$; use $m = \frac{4}{19}$, and $p = \frac{20}{17}$ $\frac{9076}{4199}$

370) $19(q + q \div p^2)$; use $p = \frac{20}{11}$, and $q = \frac{5}{3}$ $\frac{9899}{240}$

371) $(y^2 + 7) \div (x + x)$; use $x = \frac{7}{4}$, and $y = \frac{1}{2}$ $\frac{29}{14}$

372) $12 - (b - a \div (a + a))$; use $a = \frac{1}{8}$, and $b = 1$ $\frac{23}{2}$

373) $\left(\frac{10}{2}\right)^2 + \frac{y}{x}$; use $x = \frac{13}{11}$, and $y = \frac{2}{11}$ $\frac{327}{13}$

374) $x + x - (x - y^2)$; use $x = \frac{8}{7}$, and $y = \frac{16}{17}$ $\frac{4104}{2023}$

375) $(12 + b) \div (a + a^3)$; use $a = \frac{9}{19}$, and $b = \frac{23}{18}$ $\frac{1639301}{71604}$

376) $j^2 + h \div j^3$; use $h = \frac{3}{4}$, and $j = \frac{4}{3}$ $\frac{4825}{2304}$

377) $y - y + \frac{14}{x} + 20$; use $x = \frac{4}{5}$, and $y = \frac{6}{5}$ $\frac{75}{2}$

378) $2 - m + \frac{36}{n}$; use $m = \frac{29}{15}$, and $n = \frac{5}{4}$ $\frac{433}{15}$

379) $p + p - \frac{q}{50}$; use $p = \frac{5}{4}$, and $q = \frac{12}{11}$ $\frac{1363}{550}$

380) $p + 10 - (10 + p - m)$; use $m = \frac{17}{12}$, and $p = \frac{17}{12}$ $\frac{17}{12}$

381) $(x - (x - z))(y - x)$; use $x = \frac{3}{2}$, $y = 18$, and $z = \frac{3}{4}$ $\frac{99}{8}$

382) $12^2 - (b - a)^2$; use $a = \frac{1}{19}$, and $b = \frac{1}{18}$ $\frac{16842815}{116964}$

383) $(9 - (m + q)) \div (4 - p)$; use $m = \frac{2}{19}$, $p = \frac{21}{19}$, and $q = \frac{12}{11}$ $\frac{1631}{605}$

384) $72 + y + x$; use $x = \frac{1}{3}$, and $y = \frac{14}{13}$ $\frac{2863}{39}$

385) $4y\left(8 + \frac{x}{y}\right)$; use $x = 1$, and $y = \frac{10}{19}$ $\frac{396}{19}$

386) $(p + q)^3 - (r + q)$; use $p = \frac{21}{16}$, $q = \frac{7}{6}$, and $r = \frac{6}{19}$ $\frac{28903013}{2101248}$

387) $(11 + h)^2 \div (3 - j)$; use $h = \frac{19}{16}$, and $j = \frac{9}{7}$ $\frac{88725}{1024}$

388) $19b^2 - (b + a)$; use $a = \frac{5}{6}$, and $b = \frac{19}{10}$ $\frac{19757}{300}$

389) $m^2q^2 + p$; use $m = \frac{3}{5}$, $p = \frac{11}{7}$, and $q = 7$ $\frac{3362}{175}$

390) $y \div (x(z + y + x))$; use $x = \frac{1}{4}$, $y = \frac{37}{19}$, and $z = \frac{3}{17}$ $\frac{10064}{3067}$

391) $(x + x) \div y - \frac{11}{16}$; use $x = \frac{14}{9}$, and $y = \frac{7}{8}$ $\frac{413}{144}$

392) $xy - 6(x - x)$; use $x = \frac{7}{8}$, and $y = 2$ $\frac{7}{4}$

393) $n + \frac{n}{m} - (n - n)$; use $m = \frac{6}{5}$, and $n = \frac{7}{20}$ $\frac{77}{120}$

394) $p(5 + p(m - 1))$; use $m = 6$, and $p = \frac{1}{2}$ $\frac{15}{4}$

395) $\frac{n}{m} + 12 \times \frac{m}{n}$; use $m = \frac{7}{8}$, and $n = 1$ $\frac{163}{14}$

396) $p^2 - (q + 14 - q)$; use $p = 6$, and $q = \frac{1}{2}$

22

397) $20 \div (6 - j) - (h - j)$; use $h = 1$, and $j = \frac{8}{9}$ $\frac{787}{207}$

398) $y \div (y + y)(x + 4)$; use $x = \frac{8}{5}$, and $y = \frac{9}{8}$ $\frac{14}{5}$

399) $(y^2)^2 - (x - x)$; use $x = \frac{27}{20}$, and $y = 1$

1

400) $(b + a) \div a - (b - b)$; use $a = \frac{2}{5}$, and $b = \frac{17}{15}$ $\frac{23}{6}$

401) $(13mn^2 + 23) \div m$; use $m = 2$, and $n = \frac{1}{3}$ $\frac{233}{18}$

402) $x(y + y + 9 - y^2)$; use $x = \frac{1}{4}$, and $y = \frac{4}{5}$ $\frac{249}{100}$

403) $30 + h - j - (j + j - h)$; use $h = \frac{1}{3}$, and $j = \frac{1}{6}$ $\frac{181}{6}$

404) $(m+6) \div m^2 - (p+m)$; use $m = \frac{7}{8}$, and $p = \frac{5}{6}$ $\frac{8551}{1176}$

405) $2z(20-y) - \frac{30}{2}$; use $y = \frac{3}{7}$, and $z = \frac{4}{5}$ $\frac{571}{35}$

406) $q \times (17+q) \div p - p^2$; use $p = 1$, and $q = \frac{13}{20}$ $\frac{4189}{400}$

407) $x + y + x - (x+y) + y$; use $x = \frac{15}{13}$, and $y = \frac{8}{15}$ $\frac{329}{195}$

408) $y - (y(8-x)) \div 22^2$; use $x = \frac{1}{2}$, and $y = 15$ $\frac{14295}{968}$

409) $(j(h+h)+k) \div 21j$; use $h = \frac{2}{13}$, $j = \frac{1}{27}$, and $k = \frac{16}{11}$ $\frac{5660}{3003}$

410) $a^2 \div (12(a+c-b))$; use $a = 1$, $b = \frac{16}{21}$, and $c = \frac{1}{2}$ $\frac{7}{62}$

411) $\frac{16}{z} + \frac{z}{z^2} + y$; use $y = 2$, and $z = \frac{2}{11}$ $\frac{191}{2}$

412) $j - (h + (j-h) \div (28-20))$; use $h = \frac{26}{17}$, and $j = 2$ $\frac{7}{17}$

413) $p + m + p + p(p+m)$; use $m = \frac{10}{11}$, and $p = \frac{1}{12}$ $\frac{1835}{1584}$

414) $(18m(n+n)) \div (n-m)$; use $m = \frac{9}{20}$, and $n = \frac{39}{29}$ $\frac{4212}{173}$

415) $(yy^2) \div (20+x) + y$; use $x = \frac{23}{12}$, and $y = \frac{5}{6}$ $\frac{2035}{2367}$

416) $\frac{q}{q} - (p - (q - (p+p)))$; use $p = \frac{7}{12}$, and $q = \frac{5}{3}$ $\frac{11}{12}$

417) $\frac{100}{18y} - (x-x)$; use $x = \frac{41}{27}$, and $y = \frac{7}{30}$ $\frac{500}{21}$

418) $15 + \frac{10}{y} + y + x - y$; use $x = \frac{27}{22}$, and $y = 8$ $\frac{769}{44}$

419) $\frac{h}{78} + \left(\frac{j}{j}\right)^2$; use $h = \frac{20}{27}$, and $j = \frac{20}{13}$ $\frac{1063}{1053}$

420) $\frac{j^2}{h} + j + 7j$; use $h = 1$, and $j = 7$ 105

421) $a + b^2(14-2b)$; use $a = \frac{31}{29}$, and $b = \frac{1}{7}$ $\frac{13417}{9947}$

422) $11\left(13y + x - \frac{y}{23}\right)$; use $x = \frac{36}{29}$, and $y = \frac{1}{6}$ $\frac{74855}{2001}$

423) $(25 - m^2) \div n - (14 - n)$; use $m = \frac{1}{5}$, and $n = \frac{14}{15}$ $\frac{1436}{105}$

424) $(p + p + p) \div (m(p + 10))$; use $m = \frac{2}{7}$, and $p = \frac{4}{9}$ $\frac{21}{47}$

425) $x(y + 9) + x + \frac{23}{y}$; use $x = 14$, and $y = \frac{38}{23}$ $\frac{154743}{874}$

426) $(p + q) \div (q - 12)^2 + 24$; use $p = \frac{5}{9}$, and $q = 21$ $\frac{17690}{729}$

427) $\frac{y}{26}(x + 2)(z + y)$; use $x = \frac{16}{11}$, $y = 1$, and $z = \frac{11}{6}$ $\frac{323}{858}$

428) $x - y^2 \div 702^3$; use $x = \frac{4}{3}$, and $y = 2$ $\frac{115316135}{86487102}$

429) $19y - (y - x \div (z + y))$; use $x = \frac{12}{7}$, $y = \frac{3}{4}$, and $z = \frac{52}{29}$ $\frac{58539}{4130}$

430) $a + 19(b + a) - 9 + a$; use $a = \frac{27}{14}$, and $b = \frac{7}{4}$ $\frac{259}{4}$

431) $17^2 - \frac{p}{q} - q^2$; use $p = \frac{7}{4}$, and $q = \frac{29}{30}$ $\frac{7471261}{26100}$

432) $(h + j - j) \div h + h - j$; use $h = 21$, and $j = 1$
21

433) $(3y)^2 \div (x + 10) - x$; use $x = \frac{9}{8}$, and $y = 2$ $\frac{1503}{712}$

434) $(6 + 1)(p + 18 + m - p)$; use $m = 1$, and $p = \frac{5}{13}$
133

435) $(n - n)^3 + \frac{29}{27p}$; use $n = \frac{43}{30}$, and $p = \frac{12}{17}$ $\frac{493}{324}$

436) $x + 8 \div (y + 17 - (y - x))$; use $x = \frac{10}{21}$, and $y = \frac{38}{25}$ $\frac{7198}{7707}$

437) $3^2(y + x) - \frac{x}{x}$; use $x = \frac{27}{23}$, and $y = \frac{37}{21}$ $\frac{4093}{161}$

438) $(p + q) \div (p - (p - 1)) - q$; use $p = \frac{37}{23}$, and $q = 2$ $\frac{37}{23}$

439) $17 + q - (p + p) \div 29p$; use $p = \frac{23}{25}$, and $q = \frac{11}{8}$ $\frac{4247}{232}$

440) $(7(x + 26)) \div (20(y + 19))$; use $x = \frac{28}{25}$, and $y = \frac{5}{4}$ $\frac{1582}{3375}$

441) $(24y(x - y)) \div 2y$; use $x = \frac{29}{28}$, and $y = \frac{14}{27}$ $\frac{391}{63}$

442) $b + b - a + a \div (a + 24)$; use $a = \frac{1}{7}$, and $b = \frac{7}{5}$ $\frac{15752}{5915}$

443) $20(x \div (y - x) - y) - y$; use $x = 1$, and $y = \frac{5}{4}$ $\frac{215}{4}$

444) $x + 30(x + y) - 3^3$; use $x = \frac{43}{30}$, and $y = \frac{9}{5}$ $\frac{2143}{30}$ 445) $(m + m) \div m(6 - n^2)$; use $m = \frac{4}{3}$, and $n = 2$

4

446) $9 + \frac{x}{42} + y + y$; use $x = 2$, and $y = \frac{11}{13}$ $\frac{2932}{273}$

447) $8 - 11(p + p) + \frac{21}{m}$; use $m = \frac{5}{3}$, and $p = \frac{2}{15}$ $\frac{53}{3}$

448) $(z(10 - z)) \div z - (y + x)$; use $x = \frac{7}{8}$, $y = \frac{8}{7}$, and $z = \frac{5}{16}$ $\frac{859}{112}$

449) $m^3 + n + n \times \frac{n}{1}$; use $m = 1$, and $n = \frac{19}{25}$ $\frac{1461}{625}$

450) $x - x + (17(9 - y)) \div x$; use $x = \frac{19}{15}$, and $y = \frac{17}{9}$ $\frac{5440}{57}$

451) $(26 - (j + h)) \div (h + h + 30)$; use $h = \frac{47}{30}$, and $j = \frac{35}{22}$ $\frac{3769}{5467}$

452) $21 \times \frac{x}{y} - 6y^2$; use $x = 1$, and $y = \frac{4}{19}$ $\frac{143655}{1444}$

453) $x + x + y \div (810 - x)$; use $x = \frac{25}{13}$, and $y = \frac{17}{13}$ $\frac{525471}{136565}$

454) $2j^2 + h - j^2$; use $h = \frac{4}{3}$, and $j = 17$ $\frac{871}{3}$

455) $(q^3 - q) \div 29pr$; use $p = \frac{3}{5}$, $q = \frac{3}{2}$, and $r = \frac{9}{10}$ $\frac{125}{1044}$

456) $(b - b^3(a - a)) \div b$; use $a = \frac{4}{13}$, and $b = \frac{13}{25}$

457) $p \times \frac{p^2}{p}(m + 29)$; use $m = \frac{26}{17}$, and $p = \frac{5}{16}$ $\frac{12975}{4352}$

1

458) $23 - \frac{y}{x} + (x + x)^2$; use $x = 1$, and $y = \frac{20}{11}$ $\frac{277}{11}$

459) $\frac{p}{q} - (q^2 + p - q)$; use $p = 14$, and $q = \frac{11}{14}$ $\frac{8595}{2156}$

460) $(15x(27 - x - y)) \div y$; use $x = \frac{9}{20}$, and $y = \frac{27}{14}$ $\frac{3447}{40}$

461) $x\left(23 - x - \frac{y^2}{y}\right)$; use $x = \frac{11}{13}$, and $y = 2$ $\frac{2882}{169}$

462) $a \times \frac{b}{a}(b - ab)$; use $a = \frac{5}{8}$, and $b = \frac{3}{5}$ $\frac{27}{200}$

463) $n - n + m^2 - (16 - 8)$; use $m = 9$, and $n = \frac{8}{9}$

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464) $x - (z^3 - (17 - 17) \div x)$; use $x = 29$, and $z = \frac{19}{30}$ $\frac{776141}{27000}$

465) $(p - 21(m - m)) \div p^3$; use $m = \frac{28}{29}$, and $p = \frac{9}{5}$ $\frac{25}{81}$

466) $27 - \left(\frac{x}{y} - y - (y - y)\right)$; use $x = 1$, and $y = 1$

27

467) $\frac{18r^4}{q}$; use $q = \frac{34}{19}$, and $r = 2$ $\frac{2736}{17}$

468) $y \times \frac{yx}{5y} + 11$; use $x = \frac{1}{4}$, and $y = \frac{11}{14}$ $\frac{3091}{280}$

469) $(p + q^3 + p) \div (q + p)$; use $p = \frac{13}{7}$, and $q = \frac{3}{26}$ $\frac{457165}{242684}$

470) $3^2 + z - y - z^3$; use $y = 2$, and $z = 2$

1

471) $b + 11 + a - (a - a) - a$; use $a = \frac{5}{9}$, and $b = \frac{16}{11}$ $\frac{137}{11}$

472) $h - h \div (j + j - j + j)$; use $h = \frac{23}{12}$, and $j = \frac{25}{19}$ $\frac{713}{600}$

473) $20 \div (26(j + k)) \times \frac{25}{3}$; use $j = \frac{6}{5}$, and $k = 1$ $\frac{1250}{429}$

474) $x - (x - x) + (y + 30) \div y$; use $x = \frac{10}{11}$, and $y = \frac{27}{17}$ $\frac{2059}{99}$

475) $m + \frac{n}{m} - m + \frac{m}{n}$; use $m = \frac{5}{11}$, and $n = \frac{29}{28}$ $\frac{121361}{44660}$

476) $23 \times \frac{8}{30} - \left(\frac{p}{m}\right)^2$; use $m = \frac{3}{2}$, and $p = \frac{20}{11}$ $\frac{25396}{5445}$

477) $24 - m - \left(2 - \frac{m}{20n}\right)$; use $m = \frac{19}{16}$, and $n = 12$ $\frac{79939}{3840}$

478) $x + x - \left(13y^2\right) \div 13$; use $x = \frac{12}{7}$, and $y = \frac{14}{23}$ $\frac{11324}{3703}$

479) $y^2(x + x)(x + x)$; use $x = \frac{13}{9}$, and $y = 2$ $\frac{2704}{81}$

480) $x^3 - xy^2$; use $x = 2$, and $y = \frac{39}{25}$ $\frac{1958}{625}$

481) $\frac{p}{28}(27 - q) - \frac{p}{q}$; use $p = \frac{9}{20}$, and $q = 2$ $\frac{99}{560}$

482) $y^2 + (x - y)^3 + 19$; use $x = \frac{19}{16}$, and $y = \frac{17}{19}$ $\frac{556990921}{28094464}$

483) $x + 9y \div (25(x - y))$; use $x = \frac{28}{25}$, and $y = \frac{2}{3}$ $\frac{701}{425}$

484) $((p - m)(19 + 6 - 14)) \div m$; use $m = \frac{53}{28}$, and $p = 27$ $\frac{7733}{53}$

485) $15 - (j + 10) - (h^2)^2$; use $h = \frac{3}{23}$, and $j = \frac{5}{4}$ $\frac{4197291}{1119364}$

486) $(y + 2) \div (y(10 - z) + x)$; use $x = 1$, $y = \frac{3}{11}$, and $z = \frac{7}{5}$ $\frac{125}{184}$

487) $(27y)^2 + x - (x - y)$; use $x = 1$, and $y = \frac{2}{23}$ $\frac{2962}{529}$

488) $(q + 6 + 25) \div \left(1 + r^2\right)$; use $q = \frac{55}{29}$, and $r = \frac{9}{11}$ $\frac{57717}{2929}$

489) $n - (8(n - n)) \div (21 - m)$; use $m = \frac{42}{25}$, and $n = 1$

1

490) $x^2 + \frac{x}{y} + 16 - x$; use $x = \frac{1}{6}$, and $y = 1$ $\frac{577}{36}$

491) $(26 - y)^2 \div (x + 27 - y)$; use $x = \frac{16}{11}$, and $y = \frac{27}{22}$ $\frac{297025}{13178}$

492) $zy + x + y + z^2$; use $x = \frac{11}{10}$, $y = \frac{7}{20}$, and $z = \frac{10}{11}$ $\frac{6279}{2420}$

493) $c \div (b(a - c + 15b))$; use $a = 1$, $b = \frac{10}{23}$, and $c = \frac{8}{17}$ $\frac{2116}{13785}$

494) $(m - 4)^2 \div (30 + mp)$; use $m = 8$, and $p = \frac{3}{19}$ $\frac{152}{297}$

495) $h \div (h - j) - (j + h - j)$; use $h = 1$, and $j = \frac{1}{3}$ $\frac{1}{2}$

496) $(28 - y) \div (24 - x - (y + y))$; use $x = \frac{7}{13}$, and $y = 10$ $\frac{26}{5}$

497) $8m - n + 14 \div (11 + n)$; use $m = \frac{3}{5}$, and $n = \frac{3}{2}$ $\frac{221}{50}$

498) $10(m + 7n) - m + 23$; use $m = \frac{4}{3}$, and $n = \frac{1}{9}$ $\frac{385}{9}$ 499) $(z^3 y^2) \div z$; use $y = \frac{9}{20}$, and $z = 19$ $\frac{29241}{400}$

500) $(y + y + x)(y - 22x)$; use $x = \frac{1}{17}$, and $y = \frac{4}{3}$ $\frac{278}{2601}$