

Probabilities That Add to 1 *fluency*

ANSWERS

 P(A) is given. Find P(not A).

1 0.3 *0.7*

2 0.8 *0.2*

3 0.45 *0.55*

4 0.06 *0.94*

5 0.725 *0.275*

6 0.5 *0.5*

 P(A) is given. Find P(not A).

7 $\frac{2}{5}$ *$\frac{3}{5}$*

8 $\frac{1}{4}$ *$\frac{3}{4}$*

9 $\frac{7}{10}$ *$\frac{3}{10}$*

10 $\frac{3}{8}$ *$\frac{5}{8}$*

11 $\frac{5}{12}$ *$\frac{7}{12}$*

12 $\frac{11}{20}$ *$\frac{9}{20}$*

 P(A) is given. Find P(not A).

13 35% *65%*

14 80% *20%*

15 12% *88%*

16 4% *96%*

17 62.5% *37.5%*

18 99% *1%*

 There are three outcomes. Two probabilities are given. Find the third.

19 0.2, 0.45 *0.35*

20 0.5, 0.25 *0.25*

21 $\frac{1}{4}$, $\frac{1}{2}$ *$\frac{1}{4}$*

22 0.08, 0.6 *0.32*

23 $\frac{1}{3}$, $\frac{1}{6}$ *$\frac{1}{2}$*

24 0.35, 0.35 *0.3*

 The probabilities of all the outcomes are given. Find x.

25 0.1, 0.3, x, x *x = 0.3*

26 0.4, x, 2x *x = 0.2*

27 x, x, x, 0.55 *x = 0.15*

28 0.15, 0.1, 3x *x = 0.25*

29 2x, 3x, 0.5 *x = 0.1*

30 x, 0.16, x, 0.24, x *x = 0.2*