



Name: _____



1) Find the probability that it won't rain, if the probability that it will rain is:

a) 0.4	0.6	c) 0.85	0.15	e) 0.375	0.625	g) 0.108	0.892
b) 0.3	0.7	d) 0.18	0.82	f) 0.472	0.528	h) 0.054	0.946

2) Find the probability that James win will at darts, if the probability he loses is:

a) $\frac{1}{3}$	$\frac{2}{3}$	c) $\frac{5}{13}$	$\frac{8}{13}$	e) $\frac{3}{19}$	$\frac{16}{19}$	g) $\frac{20}{95}$	$\frac{75}{95}$	i) $\frac{24}{80}$	$\frac{56}{80}$
b) $\frac{3}{7}$	$\frac{4}{7}$	d) $\frac{8}{15}$	$\frac{7}{15}$	f) $\frac{28}{42}$	$\frac{14}{42}$	h) $\frac{50}{96}$	$\frac{46}{96}$	j) $\frac{65}{143}$	$\frac{78}{143}$

3) Find the missing probabilities in the tables below:

Result	Win	Lose	Draw
Probability	0.3	0.4	0.3

Letter	A	E	I	O	U
Probability	0.3	0.2	0.1	0.2	0.2

Result	Win	Lose	Draw
Probability	0.25	0.18	0.57

Choice	A	B	C
Probability	0.2	0.5	0.3

Number	1	2	3	4	5
Probability	0.1	0.3	0.4	0.1	0.1

Result	A	B	C
Probability	0.15	0.26	0.59

Position	1st	2nd	3rd
Probability	0.25	0.35	0.4

Colour	Bl	Gr	Rd	Pi	Ye
Probability	0.4	0.1	0.1	0.2	0.2

Result	1st	2nd	3rd
Probability	0.43	0.28	0.29

j) Find the value of x in the table:

Colour	Bl	Gr	Rd	Pi
Probability	2x	x	0.4	3x

0.1

4) Fill in the table to show the probability of taking each colour.

There are 16 counters in a bag which are either red, white, green, or blue.

- There are four times as many red balls as blue balls
- There are more white balls than red balls
- There are more green balls than white balls
- A ball is taken at random from the bag

Fill in the table to show the **probability** of taking each colour.

Colour	Red	White	Green	Blue
Probability	$\frac{4}{16}$	$\frac{5}{16}$	$\frac{6}{16}$	$\frac{1}{16}$

Exam question:

There are only red, white and blue balls in a box.
 There are the same amount of blue balls as white balls.
 Complete the table to show the probability of choosing a ball at random from the box.

Colour	Red	White	Blue
Probability	0.64	0.16	0.16

