



Name: _____



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

a) 0.4	<input type="text"/>	c) 0.85	<input type="text"/>	e) 0.375	<input type="text"/>	g) 0.108	<input type="text"/>
b) 0.3	<input type="text"/>	d) 0.18	<input type="text"/>	f) 0.472	<input type="text"/>	h) 0.054	<input type="text"/>

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

a) $\frac{1}{3}$	<input type="text"/>	c) $\frac{5}{13}$	<input type="text"/>	e) $\frac{3}{19}$	<input type="text"/>	g) $\frac{20}{95}$	<input type="text"/>	i) $\frac{24}{80}$	<input type="text"/>
b) $\frac{3}{7}$	<input type="text"/>	d) $\frac{8}{15}$	<input type="text"/>	f) $\frac{28}{42}$	<input type="text"/>	h) $\frac{50}{96}$	<input type="text"/>	j) $\frac{65}{143}$	<input type="text"/>

3) Find the missing probabilities in the tables below:

a) <table border="1"><tr><th>Result</th><th>Win</th><th>Lose</th><th>Draw</th></tr><tr><th>Probability</th><td>0.3</td><td>0.4</td><td><input type="text"/></td></tr></table>	Result	Win	Lose	Draw	Probability	0.3	0.4	<input type="text"/>	d) <table border="1"><tr><th>Letter</th><th>A</th><th>E</th><th>I</th><th>O</th><th>U</th></tr><tr><th>Probability</th><td>0.3</td><td>0.2</td><td>0.1</td><td>0.2</td><td><input type="text"/></td></tr></table>	Letter	A	E	I	O	U	Probability	0.3	0.2	0.1	0.2	<input type="text"/>	g) <table border="1"><tr><th>Result</th><th>Win</th><th>Lose</th><th>Draw</th></tr><tr><th>Probability</th><td>0.25</td><td>0.18</td><td><input type="text"/></td></tr></table>	Result	Win	Lose	Draw	Probability	0.25	0.18	<input type="text"/>
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j) Find the value of x in the table:

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

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	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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	<input type="text"/>	<input type="text"/>

