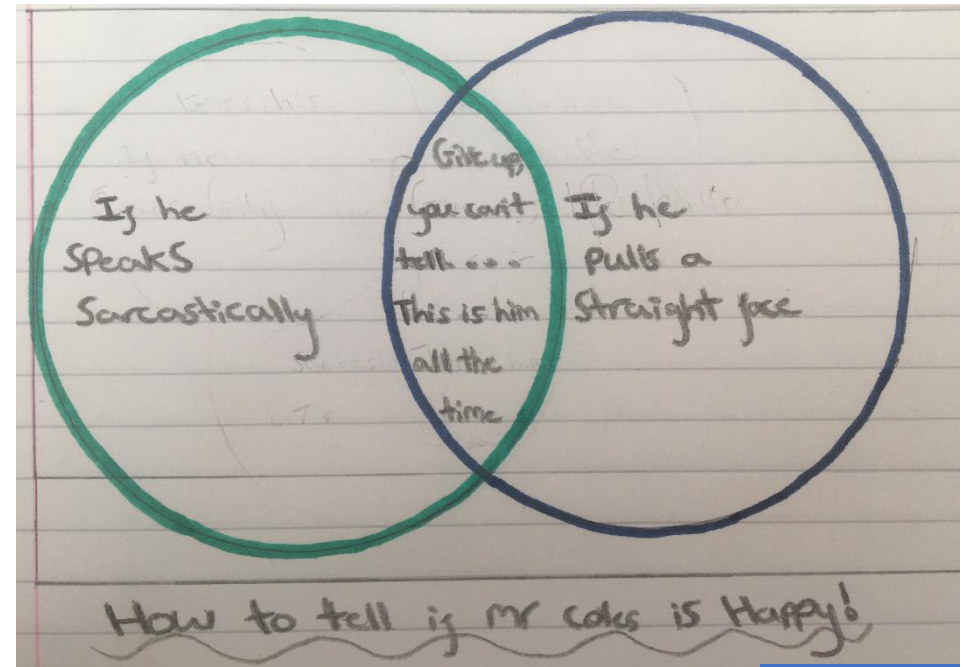
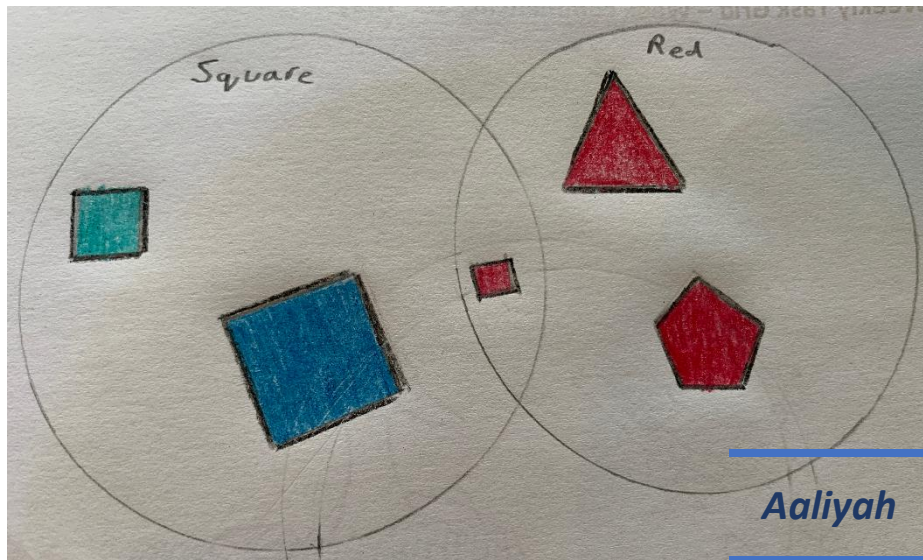
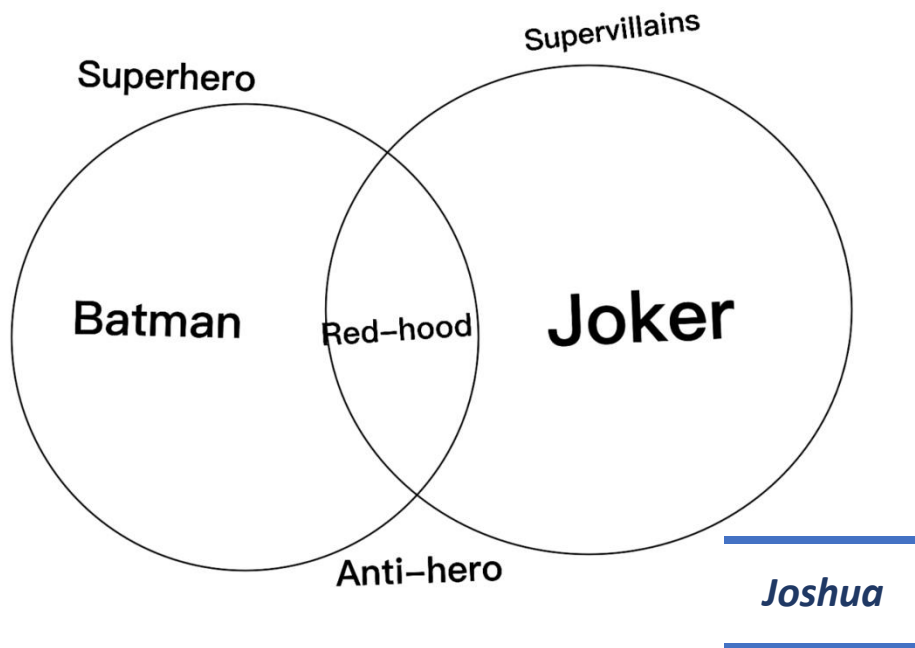


## Best of last weeks Venn diagrams




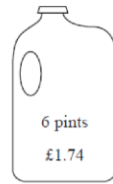


Rosie





## Mr Coles' 7X1 Maths Weekly Task Grid – Week commencing 1<sup>st</sup> June

Choose **1 purple task**, **1 orange task**, **2 green tasks** and **2 yellow tasks** from the grid. Complete them this week.

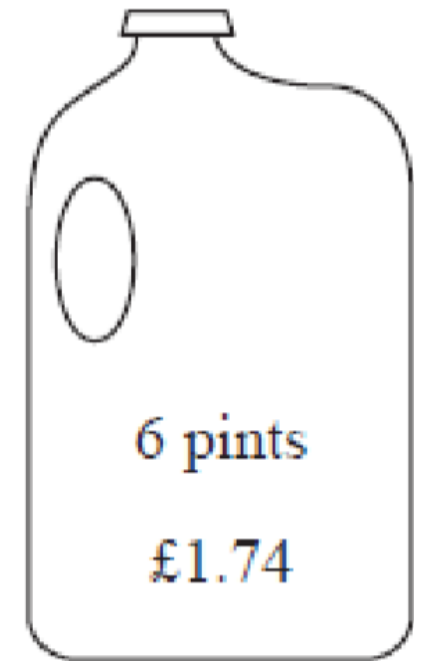
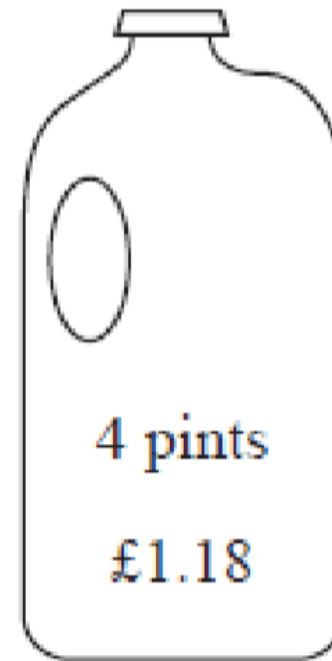
<p><b>Task 1</b></p> <p>Create <a href="#">mind maps</a> of all the things you <b>already know</b> about <b>Probability</b>.</p> <p>When you learn something new, add it to your map.</p>	<p><b>Task 2</b></p> <p><b>Probability Intro</b> and <b>Simple Probability</b> on the MyMaths Website. <a href="http://www.mymaths.co.uk">www.mymaths.co.uk</a></p> <p>Log on with your individual logins (email me if you can't get on). Work through both exercises then attempt both homeworks.</p>	<p><b>Task 3</b></p> <p><b>Probability Scale on CorbettMaths:</b> Video: <a href="#">Probability Scale</a></p> <p>Answer <a href="#">as many of these</a> as you can</p> <p>Answers: <a href="#">Probability Scale</a></p>	<p><b>Task 4</b></p> <p>Create a poster/PowerPoint/revision cards on <b>Probability</b>.</p> <p>Website to help:</p> <p>BBC Bitesize – <a href="#">Probability</a></p>
<p><b>Task 5</b></p> <p>Make a quiz/PowerPoint/Kahoot on questions involving <b>Worded Probability</b>.</p> <p>Questions can involve anything to do with it. The more unique the better!</p> <p>Good ones will be featured on next weeks grid.</p>	<p><b>Task 6</b></p> <p>Make up 5 events that work for each of the following Probability Scale descriptions. Be careful with 50/50!</p> <ol style="list-style-type: none"> <li>Impossible</li> <li>Unlikely</li> <li>50/50 or Even Chance</li> <li>Likely</li> <li>Certain</li> </ol> <p>The events can be personal to you or general.</p>	<p><b>Task 7</b></p> <p>Functional: Milk is sold in two sizes of bottle.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>4 pints £1.18</p> </div> <div style="text-align: center;">  <p>6 pints £1.74</p> </div> </div> <p>A 4 pint bottle of milk costs £1.18 A 6 pint bottle of milk costs £1.74 Which bottle of milk is the best value for money? You must show your working.</p> <p>Enlarged on next pages.</p>	<p><b>Task 8</b></p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>If you aren't sure how to do any of these, just email me. I've enlarged the questions on the next page</p> </div> <ol style="list-style-type: none"> <li><math>3.8 \times 7.1</math></li> <li>Share £54 in the ratio 7:2</li> <li>Increase 180 by <math>\frac{2}{5}</math></li> <li><math>21 - 7 \times 4 + 3^2</math></li> <li>£1=\$1.30, what is \$520 in £?</li> <li>Expand <math>3x(y + 5)</math></li> <li>Solve <math>5x + 4 = -31</math></li> <li>What is the HCF of 12 and 18</li> <li>Factorise fully <math>18x + 12</math></li> <li><math>\frac{2}{7} + \frac{4}{5}</math></li> </ol>
<p><b>Task 9</b></p> <p>Not that I'm encouraging you to gamble, but try this <a href="#">Higher or Lower game</a> to see how far you get. OR EVEN BETTER</p> <p>Play the higher or lower game using a deck of cards (that you shuffled) with a family member and see who can get furthest without losing. Aces are high.</p>	<p><b>Task 10</b></p> <p>Watch <a href="#">this video</a> on the BBC website then answer the question below. It's quite a short one but great at showing probability isn't always as straightforward as you think.</p> <p>It would be much less likely if the game had been "Someone must have the same birthday AS ME".</p> <p><b>Can you explain why?</b></p>	<p><b>Task 11</b></p> <p>Problem Solving: The diagram shows a right-angled triangle.</p> <div style="text-align: center;">  </div> <p>All the angles are in degrees. Work out the size of the smallest angle of the triangle.</p> <p>Enlarged on next pages.</p>	<p><b>Task 12</b></p> <p>Go to the <a href="#">Quizizz website</a></p> <div style="text-align: center;">  </div> <p>Click on the green Practice button &gt; Click Play &gt; Click Skip for now (where it asks you to sign up) &gt; and then the green Play quiz button.</p> <p>Attempt the 22 Questions on <b>Probability Scales</b>. Screenshot how well you did!</p>



Task 7

Functional:

Milk is sold in two sizes of bottle.



A 4 pint bottle of milk costs £1.18

A 6 pint bottle of milk costs £1.74

Which bottle of milk is the best value for money?

You must show your working.

**Task 8**

1)  $3.8 \times 7.1$

2) Share £54 in the ratio 7: 2

3) Increase 180 by  $\frac{2}{5}$

4)  $21 - 7 \times 4 + 3^2$

5) £1=\$1.30, what is \$520 in £?

6) Expand  $3x(y + 5)$

7) Solve  $5x + 4 = -31$

8) What is the HCF of 12 and 18

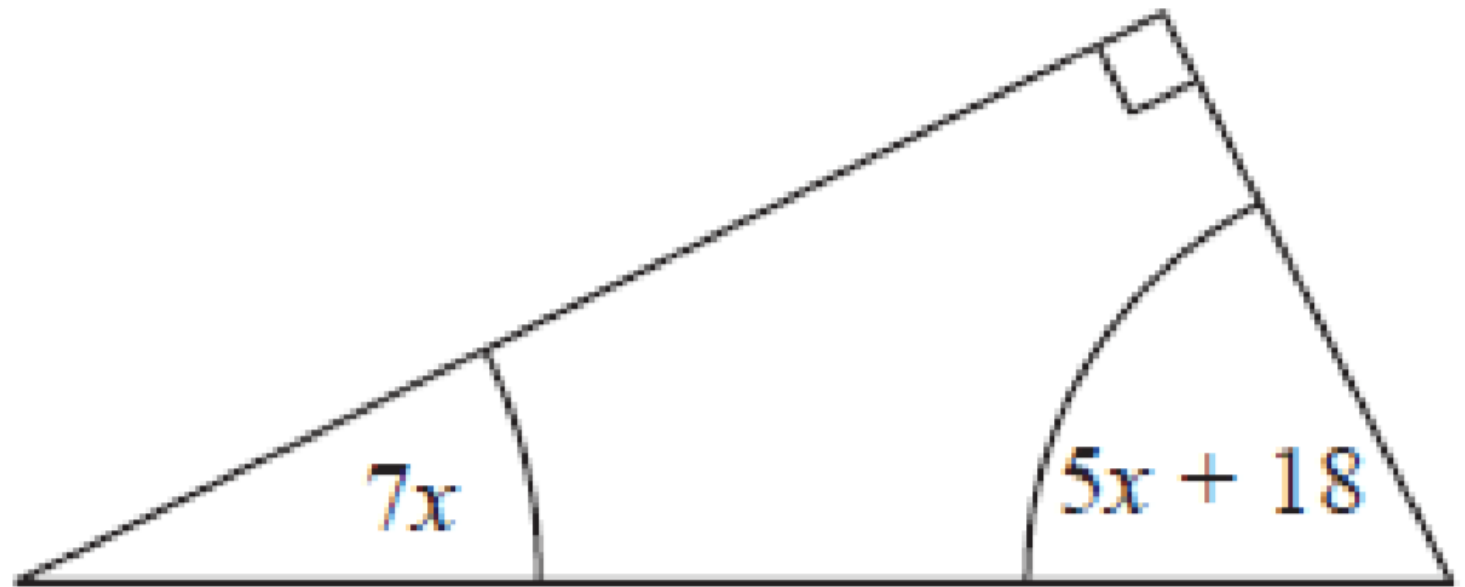
9) Factorise fully  $18x + 12$

10)  $\frac{2}{7} + \frac{4}{5}$

Task 11

## Problem Solving:

The diagram shows a right-angled triangle.



All the angles are in degrees.

Work out the size of the smallest angle of the triangle.

