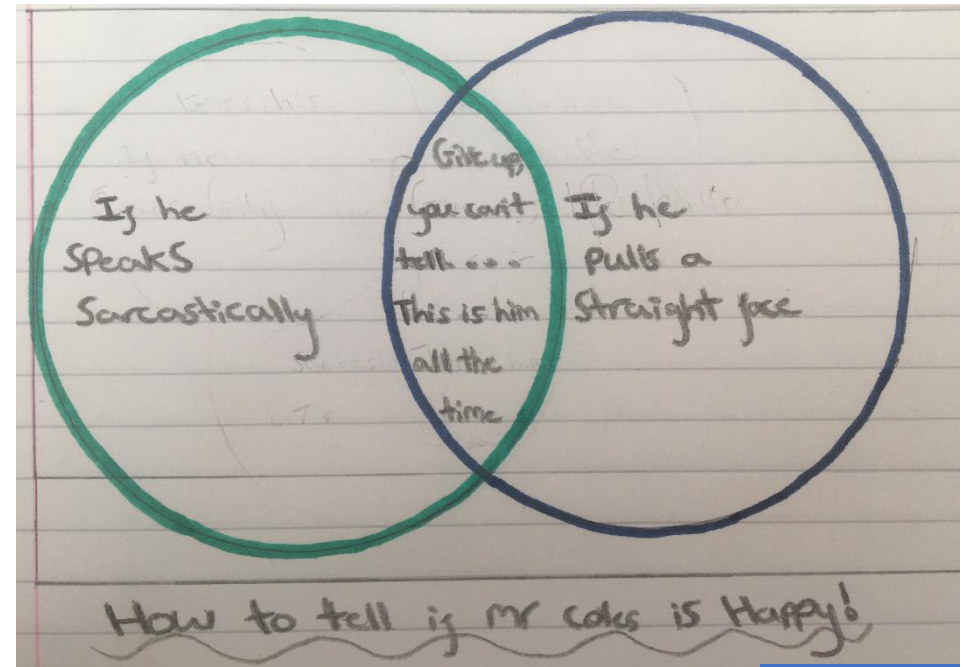
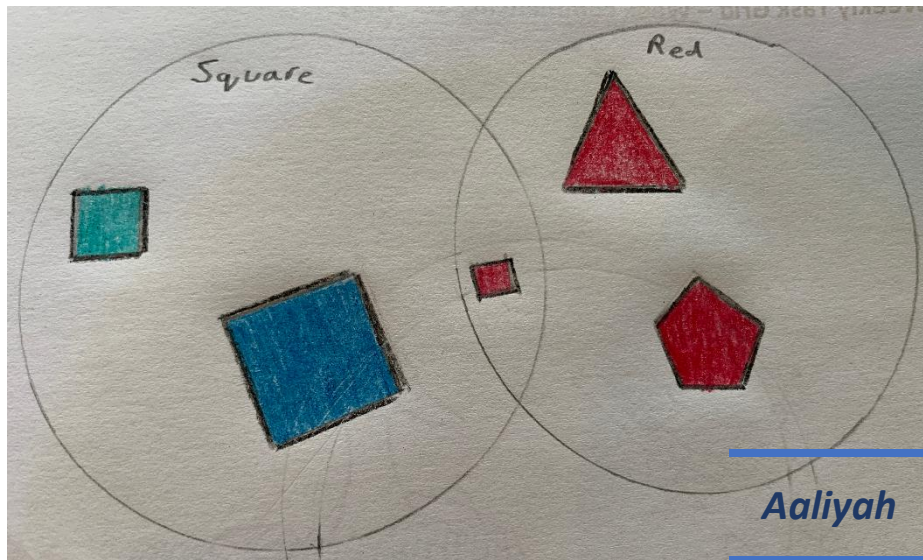
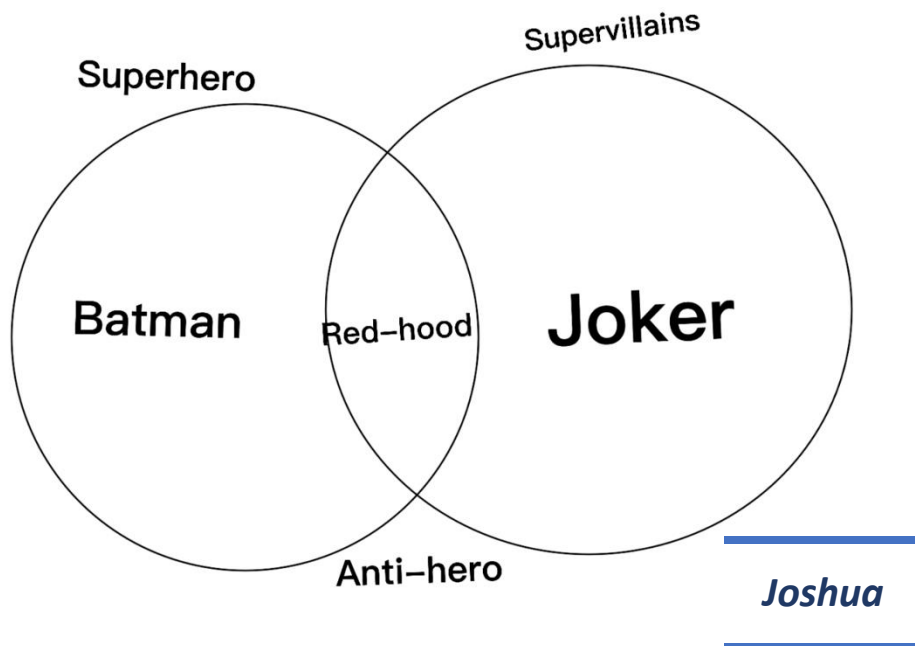


Best of last weeks Venn diagrams




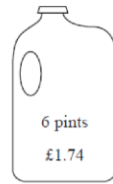


Rosie





Mr Coles' 8X2 Maths Weekly Task Grid – Week commencing 1st June

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

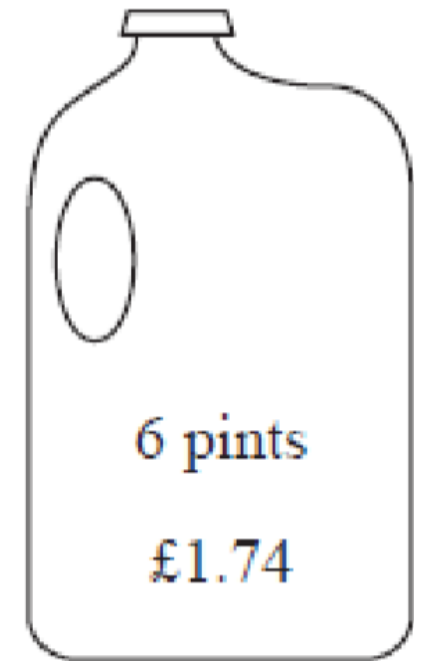
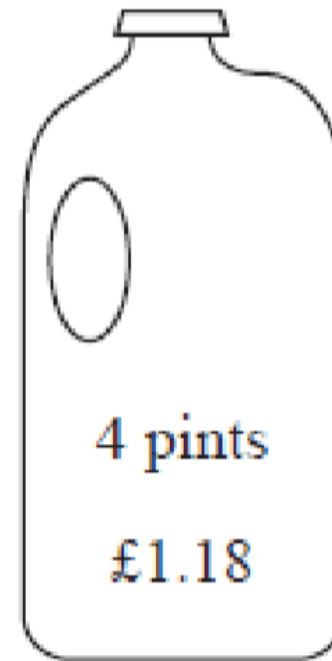
<p>Task 1</p> <p>Create mind maps of all the things you already know about Probability.</p> <p>When you learn something new, add it to your map.</p>	<p>Task 2</p> <p>Probability Intro and Simple Probability on the MyMaths Website. www.mymaths.co.uk</p> <p>Log on with your individual logins (email me if you can't get on). Work through both exercises then attempt both homeworks.</p>	<p>Task 3</p> <p>Probability Scale on CorbettMaths: Video: Probability Scale</p> <p>Answer as many of these as you can</p> <p>Answers: Probability Scale</p>	<p>Task 4</p> <p>Create a poster/PowerPoint/revision cards on Probability.</p> <p>Website to help:</p> <p>BBC Bitesize – Probability</p>
<p>Task 5</p> <p>Make a quiz/PowerPoint/Kahoot on questions involving Worded Probability.</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>Task 6</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"> Impossible Unlikely 50/50 or Even Chance Likely Certain <p>The events can be personal to you or general.</p>	<p>Task 7</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>Task 8</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"> 3.8×7.1 Share £54 in the ratio 7:2 Increase 180 by $\frac{2}{5}$ $21 - 7 \times 4 + 3^2$ £1=\$1.30, what is \$520 in £? Expand $3x(y + 5)$ Solve $5x + 4 = -31$ What is the HCF of 12 and 18 Factorise fully $18x + 12$ $\frac{2}{7} + \frac{4}{5}$
<p>Task 9</p> <p>Not that I'm encouraging you to gamble, but try this Higher or Lower game 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>Task 10</p> <p>Watch this video 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>Can you explain why?</p>	<p>Task 11</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>Task 12</p> <p>Go to the Quizizz website</p> <div style="text-align: center;">  </div> <p>Click on the green Practice button > Click Play > Click Skip for now (where it asks you to sign up) > and then the green Play quiz button.</p> <p>Attempt the 22 Questions on Probability Scales. 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) 3.8×7.1

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

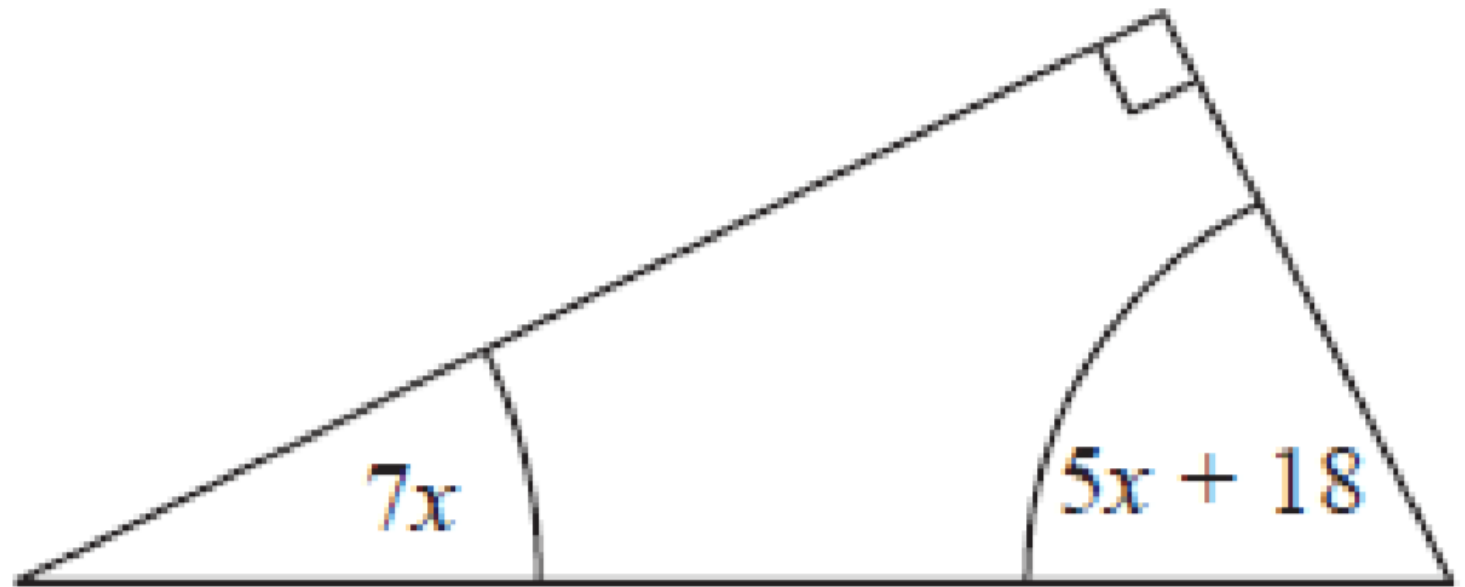
9) Factorise fully $18x + 12$

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.

