

Mr Coles' 9M5 Maths Weekly Task Grid – Week commencing 4th May

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

<p style="text-align: center;">Task 1</p> <p>Create mind maps of all the things you already know about Pie Charts.</p> <p>When you learn something new, add it to your map.</p> <p>For circles draw round a circular object, like a jam jar or a tin of beans. Don't worry about not having a protractor, most calculations can be done online.</p>	<p style="text-align: center;">Task 2</p> <p>Reading Pie Charts and then Drawing Pie Charts on the MyMaths Website. www.mymaths.co.uk</p> <p>Log on with your individual logins (email me if you can't get on)</p> <p>Work through the exercise then attempt the homework.</p>	<p style="text-align: center;">Task 3</p> <p>Most of you won't have a protractor so try watching this video on Pie Charts on CorbettMaths.</p> <p>Then answer the following questions (don't do them all, just a few from each section like we do in class):</p> <p style="text-align: center;">Answers to check.</p>	<p style="text-align: center;">Task 4</p> <p>Create a poster/PowerPoint/revision cards on Pie Charts Website to help:</p> <p style="text-align: center;">BBC Bitesize – Pie Charts</p> <p style="text-align: center;">BBC Bitesize – Pie Charts 2</p>
<p style="text-align: center;">Task 5</p> <p>Make a quiz/powerpoint/Kahoot on questions involving Pie Charts.</p> <p>Questions can involve anything to do with them. The more unique the better!</p> <p> Have a go at Mason's (Y8) quiz from last week. I think when he says verticals, he means lines...</p>	<p style="text-align: center;">Task 6</p> <p>Manga High: www.mangahigh.com/en-gb Attempt the Pie Charts game.</p> <p> For a challenge try Use Pie Charts. This is very important for students wanting to get the best grades.</p> <p>If you get 3 correct in a row it gets harder! If you redo the exercise you will start on the level reached last time. You get more points for answering harder questions! Try to get at least a bronze medal.</p>	<p style="text-align: center;">Task 7</p> <div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 5px;"> <div style="border: 1px solid black; padding: 2px; text-align: center;"> Cakes £2.80 each 3 for 2 offer </div> <div style="border: 1px solid black; padding: 2px; text-align: center;"> Plates 95p each Buy 1 get one free </div> </div> <p>Dani is buying cakes and plates for an event. She buys 18 cakes and 18 plates.</p> <p>She pays with the following notes £20, £20, £10</p> <p>How much change will she get? Enlarged on next pages.</p>	<p style="text-align: center;">Task 8</p> <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> <ol style="list-style-type: none"> 1) 5.7×8.2 2) Share £72 in the ratio 3:5 3) Increase 180 by 30% 4) $21 - 7 \times 4 + 3^2$ 5) A recipe for 8 biscuits needs 120g of flour. How much flour is needed for 20 biscuits? 6) Expand $2x(x + 5)$ 7) Solve $3x + 4 = 25$ 8) What is the HCF of 15 and 20 9) Factorise $15x + 20$ 10) $\frac{1}{4} + \frac{2}{5}$
<p> Task 9</p> <p>Try at least 4 of these animal tangrams and then screenshot them to upload to SMHW</p> 	<p style="text-align: center;">Task 10</p> <p>Watch The Christmas Lectures video on “What Happens when Maths goes wrong”</p> <p style="text-align: center;">It is <u>excellent</u>!</p>	<p style="text-align: center;">Task 11</p> <p> Answer this Riddle:</p> <p>You have 14 brown socks, 14 blue socks and 14 black socks in your sock drawer. How many socks must you remove (without looking to be sure) to have a matched pair?</p>	<p> Task 12</p> <p>Go to the MathsIsFun website</p> <p>Scroll to the bottom and attempt the 10 Questions on Pie Charts. Screenshot your answers!</p>

Task 8

- 1) 5.7×8.2
- 2) Share £72 in the ratio 3: 5
- 3) Increase 180 by 30%
- 4) $21 - 7 \times 4 + 3^2$
- 5) A recipe for 8 biscuits needs 120g of flour. How much flour is needed for 20 biscuits?
- 6) Expand $2x(x + 5)$
- 7) Solve $3x + 4 = 25$
- 8) What is the HCF of 15 and 20
- 9) Factorise $15x + 20$
- 10) $\frac{1}{4} + \frac{2}{5}$

Task 7

Cakes
£2.80 each
3 for 2 offer

Plates
95p each
Buy 1 get one free

Dani is buying cakes and plates for an event.
She buys 18 cakes and 18 plates.

She pays with the following notes
£20, £20, £10

How much change will she get?