
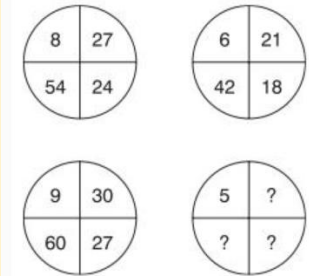


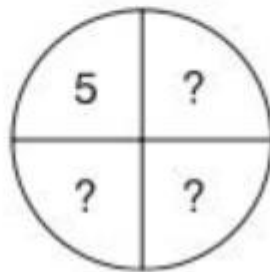
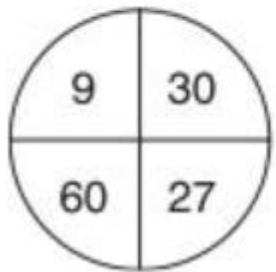
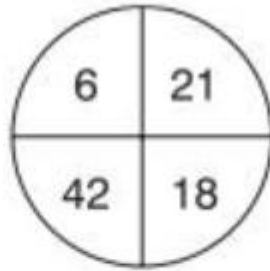
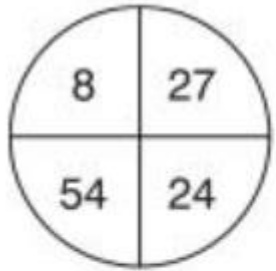
9M1 Mr Paul. Weekly Task Grid – Week commencing 6<sup>th</sup> July 2020 (Available to work on from 3<sup>rd</sup> July)

Choose at least **four** tasks from the grid to complete over this week – **Attach and submit your work on SMHW- Task 3 and 6 is a priority**

|   |  |  |  |
|---|--|--|--|
| <p><b>Task 1</b></p> <p>Make a poster/quiz/PowerPoint/kahoot on questions involving anything you have learnt to do with the</p> <p><b>Tree Diagrams</b></p> <p>Questions can involve: types of sampling, advantage and disadvantage of different types etc.</p> | <p><b>Task 2</b></p> <p>Challenge yourself with this COUNTDOWN. Try to use <b>all</b> the numbers and get the exact answer.</p>    | <p><b>Task 3</b></p> <p>Complete the lessons and online homework on <b>Box plots</b> set on <b>My Maths</b></p>  | <p><b>Task 4</b></p> <p>Go to <a href="#">White rose maths</a>. Complete all the activities from <b>week 10</b> (and then check the answers.)</p> <p>If you need to, then watch the video first.</p> |
| <p><b>Task 5</b></p> <p><b>Must explain your answer</b></p> <p>What number should replace the question mark?</p>   | <p><b>Task 6</b></p> <p>Watch the 4 videos for <b>Probability tree diagrams</b>:</p> <p><a href="#">Video – Probability tree diagrams</a></p> <p>Answer the following questions:</p> <p><a href="#">Probability tree diagrams</a></p> <p>Answers to check –</p> <p><a href="#">Tree diagrams answers</a></p> | <p><b>Task 7</b></p> <p><b>Skills Check</b></p> <ol style="list-style-type: none"> <li>Factorise <math>x^2 + 5x - 14</math></li> <li>Find the gradient of the line joining (1,3) and (3,9)</li> <li>Expand and simplify <math>3(2x - 1) - 4(3x+2)</math></li> <li>Solve <math>3x - 2 = 2x - 3</math></li> <li>Work out <math>1\frac{1}{3} \div \frac{5}{6}</math></li> <li>Simplify <math>2x^3 \times 3x^2</math></li> <li>Make x the subject of the formula <math>y = \sqrt{x} + a</math></li> <li>Work out <math>3 + 5 \times (2 + 3)</math></li> <li>Increase £450 by 15%</li> <li>What is the highest common factor of 75 and 30?</li> </ol> | <p><b>Task 8</b></p> <p><a href="#">LOOM lesson by Mr Paul</a></p> <p>Click on the link and then the password which I have emailed to you individually.</p>  |
| <p><b>Task 9</b></p> <p>Try and complete as many levels as you can Play a <b>mathematical board game</b> with some of your household.</p> <p>E.g. Connect 4, Chess, draughts, cards, monopoly, dominos, etc.</p>  | <p><b>Task 10</b></p> <p>Complete the revision and test on Stratified Sampling on BBC Bitesize</p> <p><a href="https://www.bbc.co.uk/bitesize/guides/zy9frwx/revision/3">https://www.bbc.co.uk/bitesize/guides/zy9frwx/revision/3</a></p>  | <p><b>Task 11</b></p> <p>Read a <b>book</b> that is linked to maths.</p> <p>This link has 64 books to look through... <a href="#">Maths books</a></p> <p>Some other ideas:</p> <p>Giant Pumpkin Suite - Melanie Heuier Hill</p> <p>Navigating Early - Clare Vanderpool</p> <p>Secrets, Lies and Algebra - Wendy Lichtman</p>   | <p><b>Task 12</b></p> <p>Watch this clip-on <b>YouTube</b></p> <p><a href="#">The Joy of stats</a></p> <p>and write a report on you have found out</p>   |

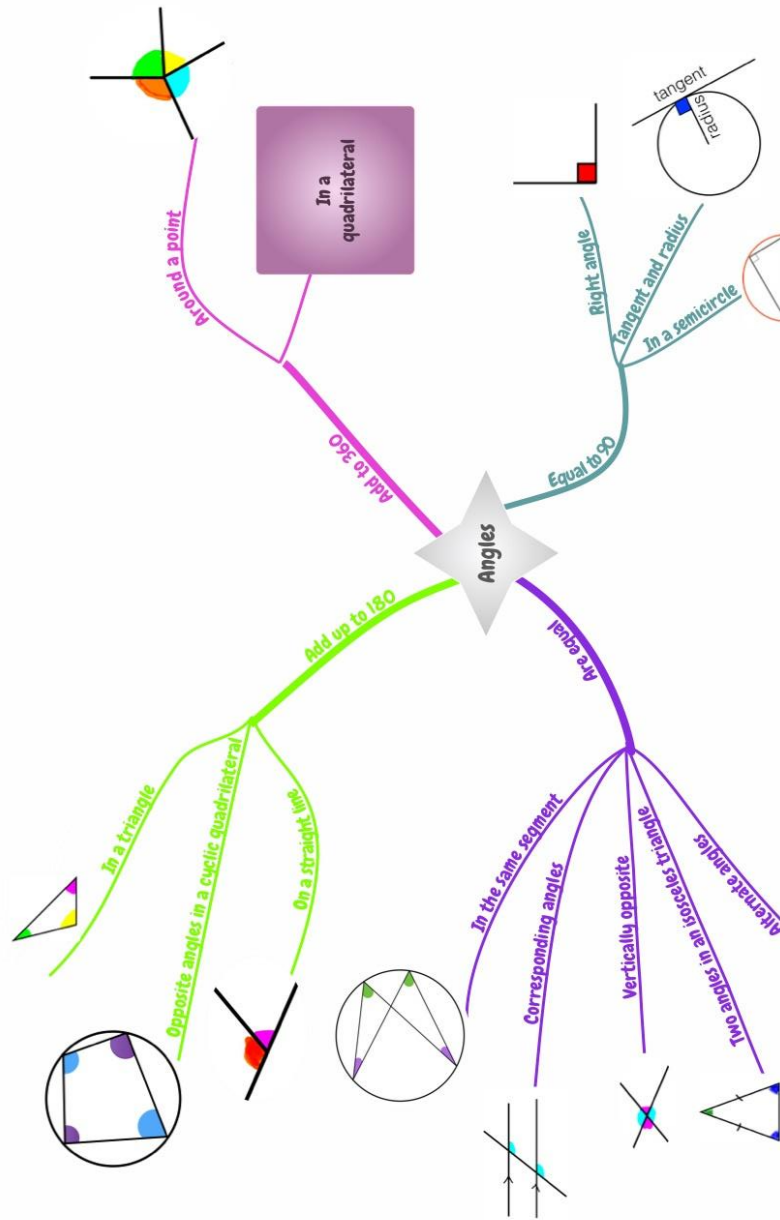
## TASK 5

What number should replace the question mark?



## TASK 7

- 1** Factorise  $x^2 + 5x - 14$
- 2** Find the gradient of the line joining (1,3) and (3,9)
- 3** Expand and simplify  $3(2x - 1) - 4(3x+2)$
- 4** Solve  $3x - 2 = 2x - 3$
- 5** Work out  $1\frac{1}{3} \div \frac{5}{6}$
- 6** Simplify  $2x^3 \times 3x^2$
- 7** Make  $x$  the subject of the formula  $y = \sqrt{x} + a$
- 8** Work out  $3 + 5 \times (2 + 3)$
- 9** Increase £450 by 15%
- 10** What is the highest common factor of 75 and 30?



## Mind Map

Write details about you in the circles.

