**First Name Last Name**

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**Teacher’s Name**

[­­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_]

HOME LEARNING PACK

TERM 5

YEAR 11

FOUNDATION – Grade 1 - 3

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| --- | --- | --- | --- |
| Write $\frac{15}{45}$ in simplest form. | How many metres are in 5 kilometres? | List the factors of 18. | Round 5.682 to one decimal place. |
| Decrease £500 by 20%. | Find the value of $5^{2}+2^{3}$. | Calculate $\frac{1}{12}÷\frac{9}{4}$. | List the first 5 prime numbers. |
| Calculate $\frac{2}{5}+\frac{1}{4}$ . | Find the value of $5+\sqrt{81}×4$. | Write 100 as a product of prime factors. | Solve $2x+7=22$. |

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| Find the size of angle $x$. | Simplify $5x+2y+7x-y.$ | Find the area.Image result for l shape | Estimate the value of$$\frac{56.32×12}{2.478+0.96}$$ |
| Ben and Tyrell share £55 in the ratio 2:3. How much does Tyrell get? | Find the volume of the cuboid.Image result for cuboid volume maths |
| Solve $5x-4=3x+12$. | What’s the interior angle of an equilateral triangle? | Expand $6x(2x+3)$. |

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| --- | --- | --- | --- |
| Solve $\frac{x}{2}=8$. | Find the area.Image result for area triangle | There are 15 counters in a bag. 2 are green, the rest are blue. A counter is picked at random. Find the probability of picking a blue counter. | Find the circumference. Give your answer in terms of $π.$Image result for circle radius |
| What type of correlation is shown here?Image result for scatter graph | If $a = 6$ and $b = 4$, find:$$- a-b$$$$- a+b$$$$a+(-b)$$$$a-(-b)$$ | What’s the lowest common multiple of 6 and 8? | Simplify $x^{4}×x^{8}$. |
| I scored 24 out of 50 on a test. What’s that as a percentage? | It costs £150 to buy 10 games. How much does it cost to buy 12 games? |

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| --- | --- | --- | --- |
| Find the length w. | Find angle a and give reasons.https://3.bp.blogspot.com/-8ZyluUCpAfw/WIuhRaimJpI/AAAAAAAAUkM/nfk1WXd1olQRhMD0X2Lns_GuhwhZo2p9gCLcB/s1600/Picture1.png | If a car travels 25 miles in 30 minutes, what is its speed in miles per hour? | Write 5 million in standard form. |
| Translate the point A by $\left(\begin{matrix}3\\-2\end{matrix}\right)$. Label the translated point B.Image result for grid point aWhat are the coordinates of B? | What’s the next term in each sequence?1. 1, 1, 2, 3, 5, 8, …
2. 3, 7, 11, 15, 19, …

c) 1, 2, 4, 8, 16, 32, … | These two cuboids are similar. Find the lengths$ p$ and $q$.Image result for maths similarity |
| Solve $15<3+6x$. |