**First Name Last Name**

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

**Teacher’s Name**

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

HOME LEARNING PACK

TERM 5

YEAR 11: NON-CALCULATOR

FOUNDATION PLUS – Grade 3 - 5

|  |  |  |  |
| --- | --- | --- | --- |
| Write in its simplest form. | How many metres are in 5 kilometres? | Find the circumference. Give your answer in terms of  Image result for circle radius | Simplify . |
| Decrease £500 by 20%. | Find the value of  . | Calculate . | List the first 5 prime numbers. |
| Calculate . | Find the value of  . | Write 100 as a product of prime factors. | Solve  . |

|  |  |  |  |
| --- | --- | --- | --- |
| Find the value of . | Expand . | Find the area.  Image result for l shape | Find the length w. |
| Ben and Tyrell share £55 in the ratio 2:3. How much does Tyrell get? | Image result for cylinderFind the volume of a cylinder with radius 4cm and height 10cm. Give an exact answer. |
| Solve  . | Work out the interior angle of a regular octagon. | Expand and simplify  . |

|  |  |  |  |
| --- | --- | --- | --- |
| Factorise . | Find the area.  Image result for area of a triangle | Lucy flips two fair coins. What’s the probability she gets two tails? | What’s the gradient of the straight line with equation  ? |
| What type of correlation is shown here?  Image result for scatter graph | If and , find: | What’s the lowest common multiple of 6 and 8? | I scored 24 out of 40 on a test. What’s that as a percentage? |
| Complete the blanks:   |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | |  |  | | It costs £150 to buy 9 games. How much does it cost to buy 12 games? |

|  |  |  |  |
| --- | --- | --- | --- |
| Multiply  by .  Give your answer in standard form. | Find angle a and give reasons.  https://3.bp.blogspot.com/-8ZyluUCpAfw/WIuhRaimJpI/AAAAAAAAUkM/nfk1WXd1olQRhMD0X2Lns_GuhwhZo2p9gCLcB/s1600/Picture1.png | Solve . | If a man walks 1.3km in 15 minutes, what is his average speed in km/h? |
| Translate the  point A by . Label the translated point B.  Image result for grid point a  What are the coordinates of B? | Name each type of sequence:   1. 1, 1, 2, 3, 5, 8, … 2. 3, 7, 11, 15, 19, …   c) 1, 2, 4, 8, 16, 32, … | Find the length of the edge of a cube which has surface area |
| Factorise  . | Solve . |