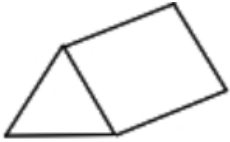# Year 7T Homework – Half Term 3

Homework 1 – Due: _____

Make sure you log on to HegartyMaths for help if you need it.
The clip number is shown with the topic.

Properties of 3D Shapes

What is this shape called? How many planes of symmetry does it have?

Multiplying/Dividing Algebra (158/159)

Simplify:

$$e \times e \times e \times e$$

Averages (404, 405, 409, 410)

Find the mean, mode, median and range (round to 1dp):

$$3, 5, 15, 7, 7, 18$$

Word Formulae

A formula to find the area of a rectangle is

Area = _____ x _____

Homework 2 – Due: _____

Log onto HegartyMaths to watch the video and complete
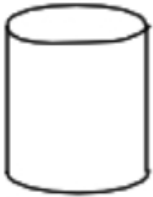
the quiz online. **Topic:** _____

My score was: _____

Homework 3 – Due: _____

Make sure you log on to HegartyMaths for help if you need it. The clip number is shown with the topic.

Properties of 3D Shapes

What is this shape called? How many planes of symmetry does it have?

Multiplying/Dividing Algebra (158/159)

Simplify: 5a x 4b x 3c x 2d
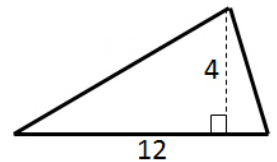
Averages (404, 405, 409, 410)

Helen plays golf. After her 9th round, her mean score was 79. After her 8th round, her mean score was 33 lower. Prove that Helen scored 103 in her 9th round.

Word Formulae

A formula to find the area of a triangle is

Area = 0.5 x height x base

Use this to find the area of the triangle below:

4

12

Homework 4 – Due: _____

Log onto HegartyMaths to watch the video and complete the quiz online. **Topic:** _____

My score was: _____

Homework 5 – Due: _____

Make sure you log on to HegartyMaths for help if you need it.
The clip number is shown with the topic.

<u>Properties of 3D Shapes</u> What is this shape called? How many planes of symmetry does it have? 	<u>Multiplying/Dividing Algebra (158/159)</u> Simplify: 5a x 4b + 3c x 2d - 1
<u>Averages (404, 405, 409, 410)</u> 21,48,17,40,39,10,45,8,8,12 The mean is 24.8. The mode is 8. The median is 19. If I add a 21 into the list, what is the effect on the averages?	<u>Word Formulae</u> The formula for the hire cost of a clown is: Cost = 60 + 8 x no.hours If they cost £148, how many hours were they hired for?

Homework 6 – Due: _____

Log onto HegartyMaths to watch the video and complete

the quiz online. **Topic:** _____

My score was: _____

Extension

Have you finished? Are you finding it too easy?
Go to https://parallel.org.uk/ and look at the puzzles for your year group on the left. Show your answers on this page.