

Year 7T Homework – Half Term 4

Homework 1 – Due: _____

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

Using Frequency Tables (415)

Number of Pets	Frequency
0	19
1	5
2	8
3	7

What is the modal number of pets?

Collecting Data (422)

Complete the two-way table:

	Monday	Wednesday	Friday	Total
Boys			16	43
Girls	21			
Total		34	30	100

Multiplying Fractions (68)

$$\frac{4}{9} \times \frac{6}{7}$$



Averages (404, 405, 409, 410)

Find the mean, mode, median and range:

16, 12, 11, 12, 2, 13

Homework 2 – Due: _____

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

My score was: _____

Homework 3 – Due: _____

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Using Frequency Tables (416)

Number of Pets	Frequency
0	19
1	5
2	8
3	7

What is the median number of pets?

Collecting Data (422)

What is the probability that someone likes snowmobiles AND skateboards?

	Like Skateboards	Do Not Like Skateboards	Totals
Like Snowmobiles	80	25	105
Do not like Snowmobiles	45	10	55
Totals	125	35	160

Multiplying Fractions (68)

$$\frac{51}{121} \times \frac{11}{17}$$



Averages (404, 405, 409, 410)

4 cards are picked from a deck of playing cards and sorted in ascending order.

The mean value of the cards is 5.

The sum of the 3 smallest cards is 12.

(a) Find the value of the largest card.

It is known that the range of the cards is 5.

(b) Find the median of the cards.

Homework 4 – Due: _____

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

My score was: _____

Homework 5 – Due: _____

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The clip number is shown with the topic.

Using Frequency Tables (417)

Number of Pets	Frequency
0	19
1	5
2	8
3	7

What is the mean number of pets?

Collecting Data (422)

What is the probability that a student will fail English?

	English	Art	Total
Pass	25		
Fail		12	13
Total		19	

Multiplying Fractions (68)

$$\frac{38}{84} \times \frac{21}{190}$$



Averages (404, 405, 409, 410)

Ayesha plays golf. After her 10th round, her mean score was 79. After her 9th round, her mean score was 2 lower. Prove that Ayesha scored 97 in her 10th round.

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.