

Year 8T 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.

Dividing Fractions (70)

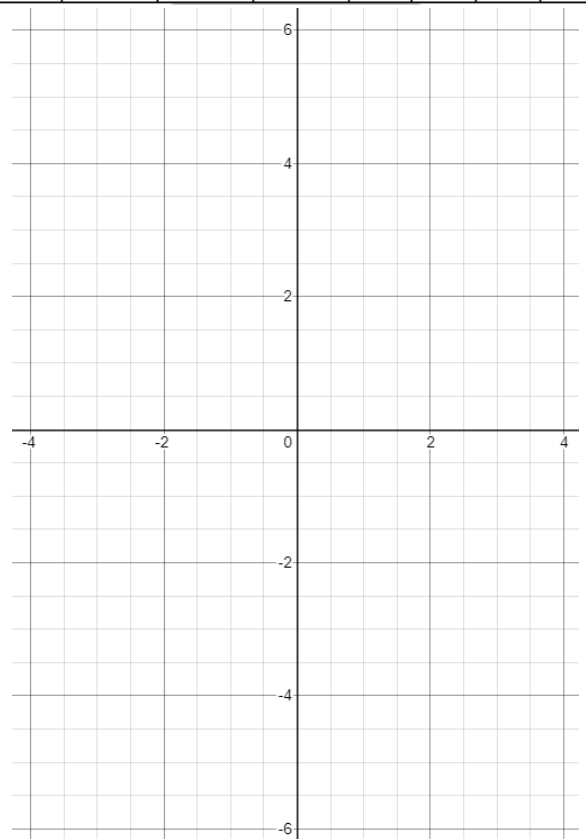
$$\frac{3}{4} \div \frac{2}{5}$$



Plotting Linear Functions (206)

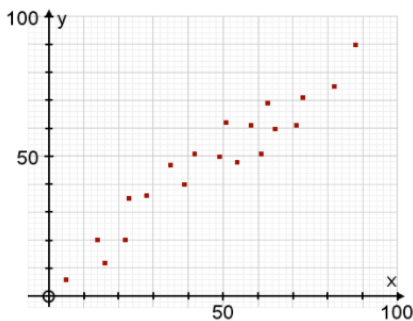
Complete the table of values and plot the equation $y = 3x - 2$

| | | | | | | | |
|-----|----|----|----|---|---|---|---|
| x | -3 | -2 | -1 | 0 | 1 | 2 | 3 |
| y | | | | | | | |



Scatter Graphs (453)

Draw a line of best fit.
What correlation is shown?
Estimate the value of x if $y = 70$.



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.
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Dividing Fractions (70)

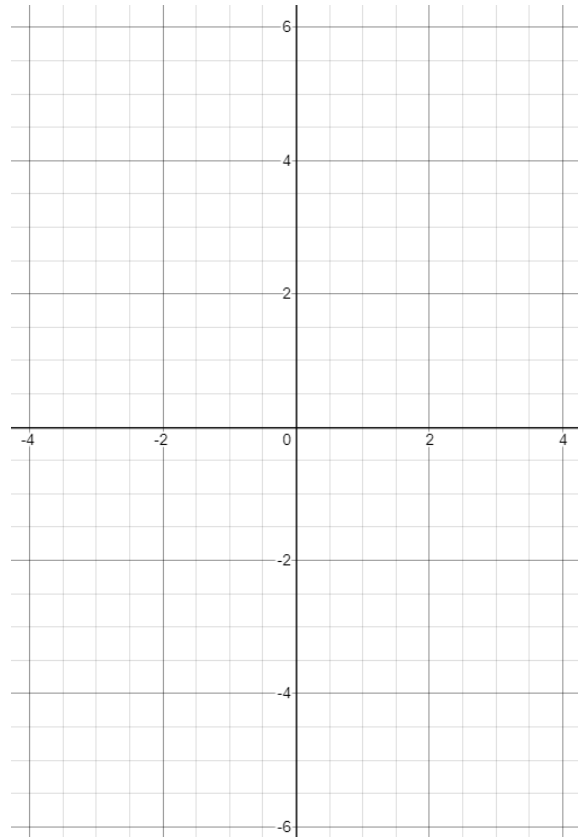
$$14 \div \frac{4}{5}$$



Plotting Linear Functions (206)

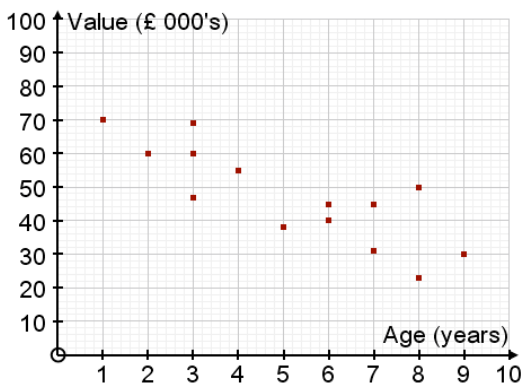
Complete the table of values and plot the equation $y = -2x + 1$:

| x | -3 | -2 | -1 | 0 | 1 | 2 | 3 |
|-----|----|----|----|---|---|---|---|
| y | | | | | | | |



Scatter Graphs (453)

A car that is 4 years old is worth £50000. Plot this point on your scatter diagram



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.

Dividing Fractions (70)

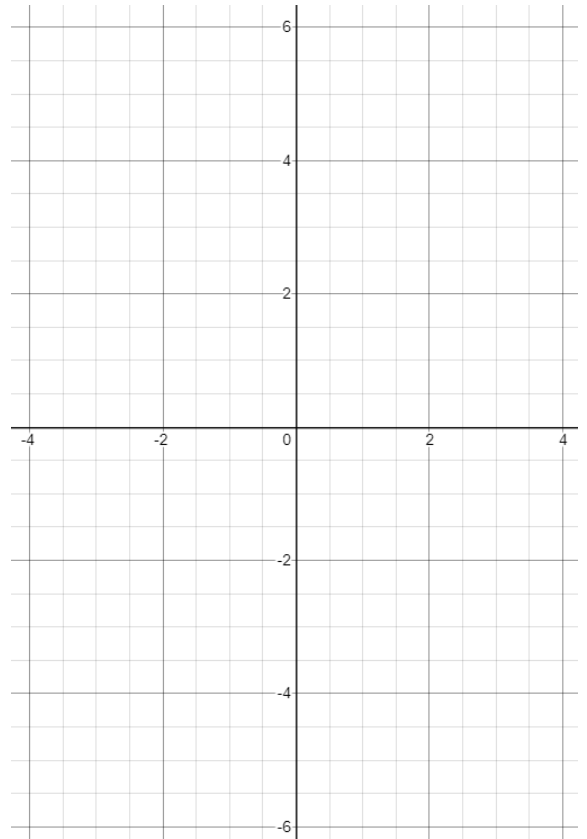
$$\frac{4}{5} \div 14$$



Plotting Linear Functions (206)

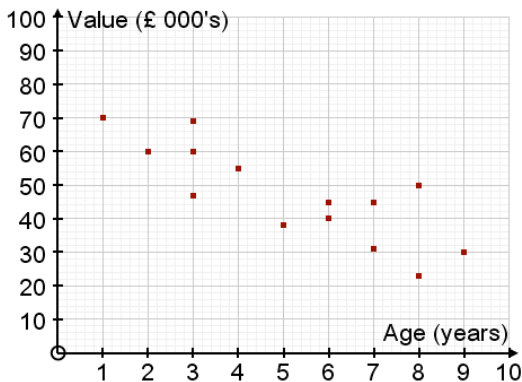
Complete the table of values and plot the equation $x + y = 4$

| | | | | | | | |
|-----|----|----|----|---|---|---|---|
| x | -3 | -2 | -1 | 0 | 1 | 2 | 3 |
| y | | | | | | | |



Scatter Graphs (453)

Estimate the cost of a car that is 8 years old.



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.