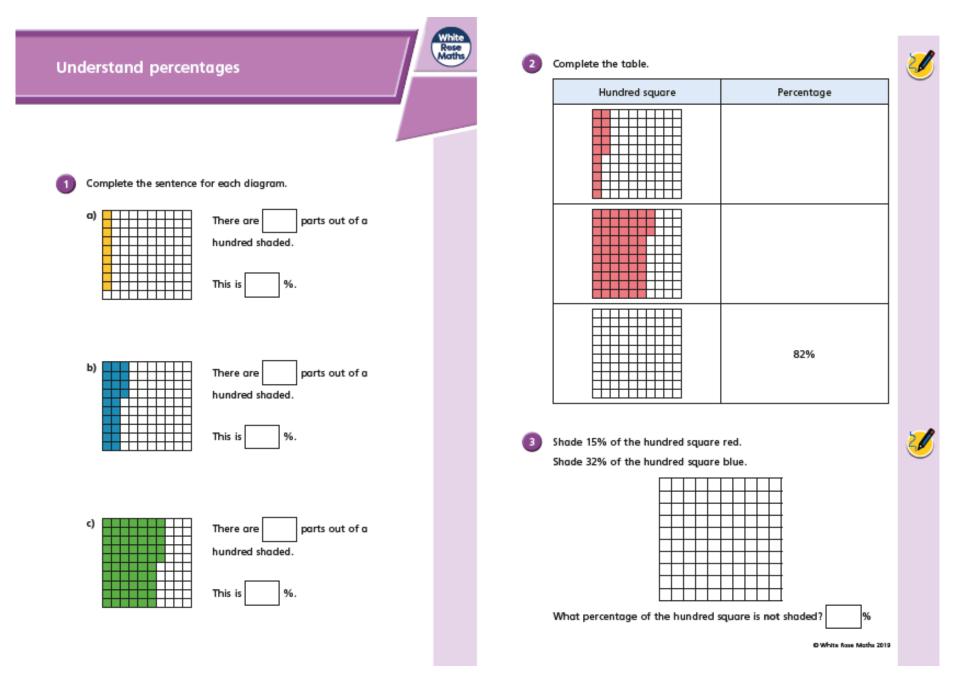
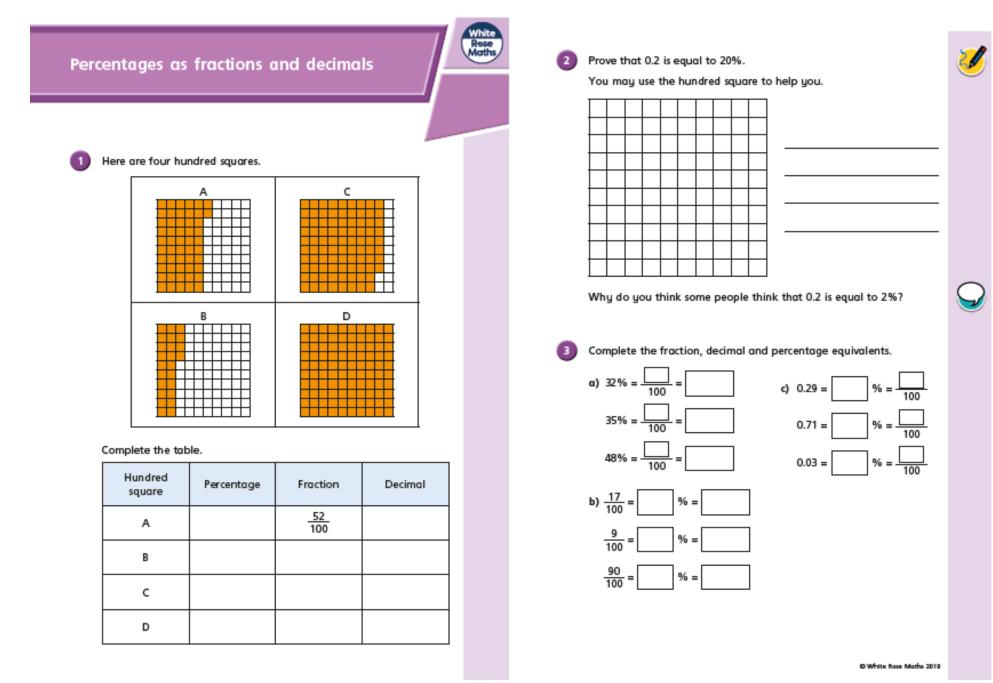
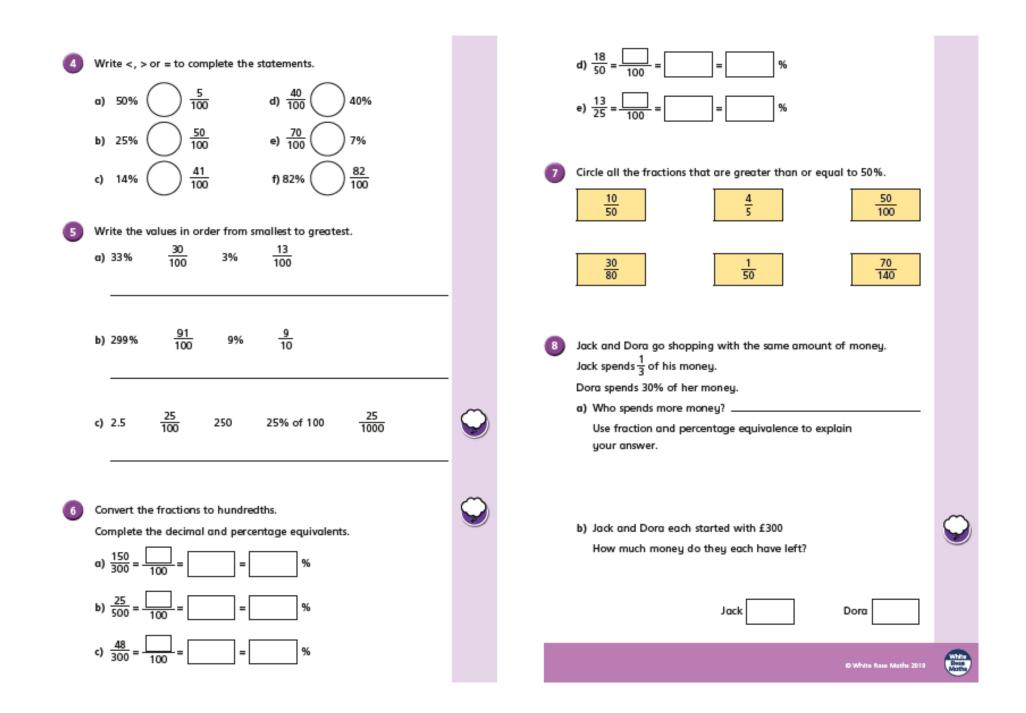
Week 8 – Lesson 1 – Understand Percentages

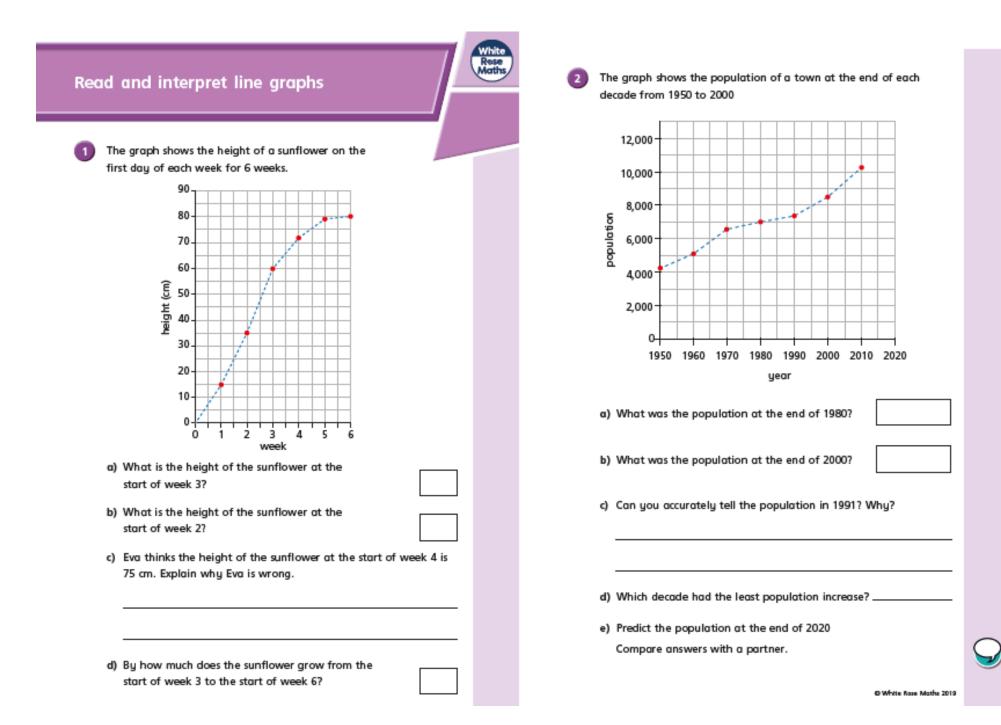


4	 a) Is 1% of this bar model shaded?		 Dexter has £1 to spend. He buys some stickers. I got 35p change. What percentage of his money did Dexter spend? 	Q
	%		7 Aisha and Brett have been selling tickets for the school play.	
	%		 There are 100 seats available. On Monday they sold 34% of the tickets. On Tuesday they sold 42 tickets. By the end of Wednesday, 95% of the tickets had been sold. How many tickets did they sell on Wednesday? 	
5	Passengers are boarding a plane. The plane has 100 seats.	9	On Wednesday they sold tickets.	
	 a) 10% of the seats are already full. How many passengers are already on the plane? b) 15% of the seats have not been booked. 		Shade 85% of this bar model.	2
	How many seats have been booked?		Compare answers with a partner.	\bigcirc
	c) How many passengers still need to board the plane?		© Wirths Rose Moths 2013	Read

Week 8 – Lesson 2 – Percentages as Fractions and Decimals

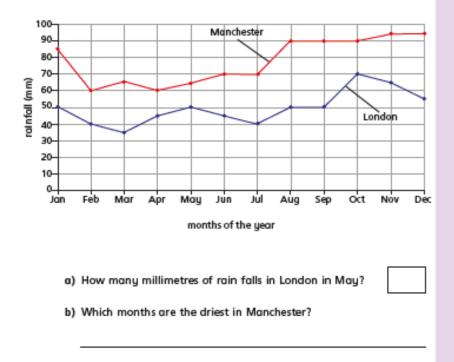






This graph shows the average rainfall in London and Manchester to the nearest 5 mm.

3



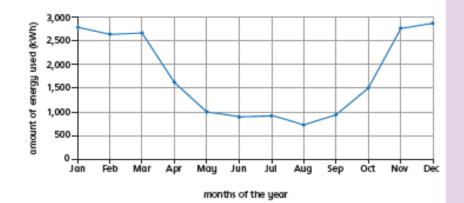
c) Which is the wettest month in London? _____

- d) In January, how much more rainfall is there in Manchester than London?
- e) How many months does it rain more than 50 mm in London and Manchester?
- f) How much more rainfall is there in Manchester than London in December?



Energy is measured in kWh (kilowatt hours).

This graph shows the amount of energy being used at different times of the year in one household.

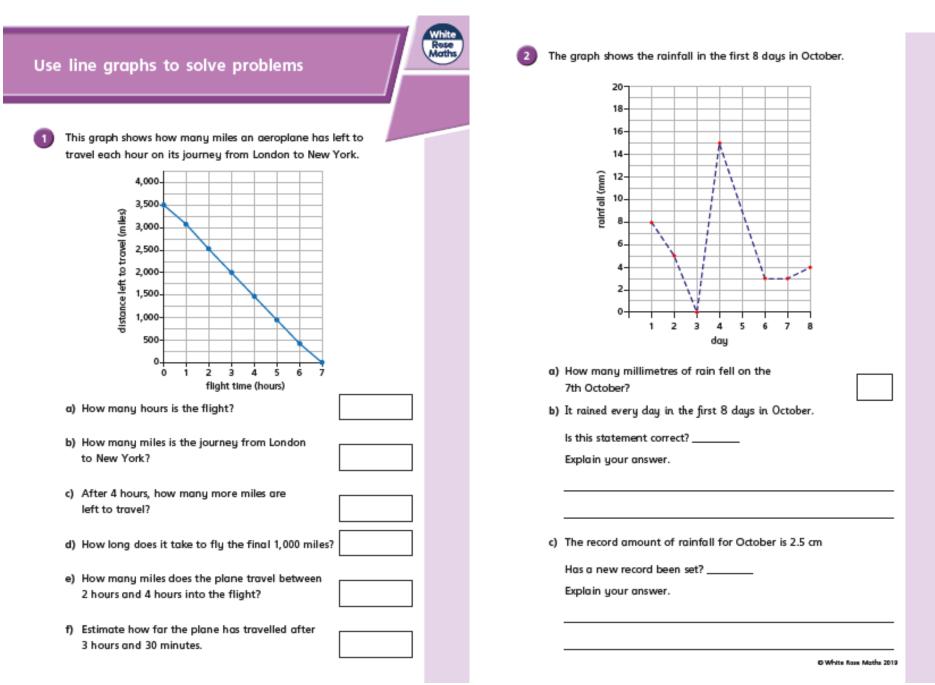


Describe three things that you know from looking at the graph.

Describe three things that you could find out from the graph.

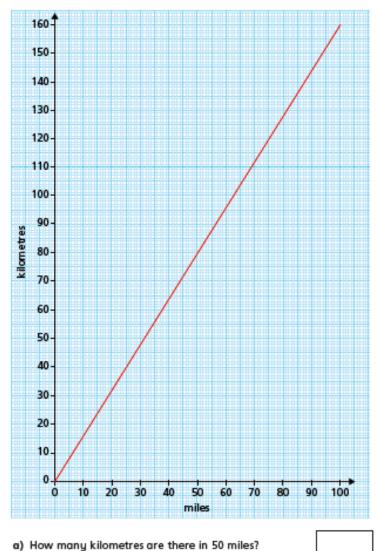
O White Nose Moths 2019







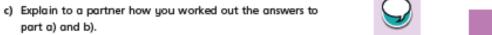
This graph shows the conversion between miles and kilometres.



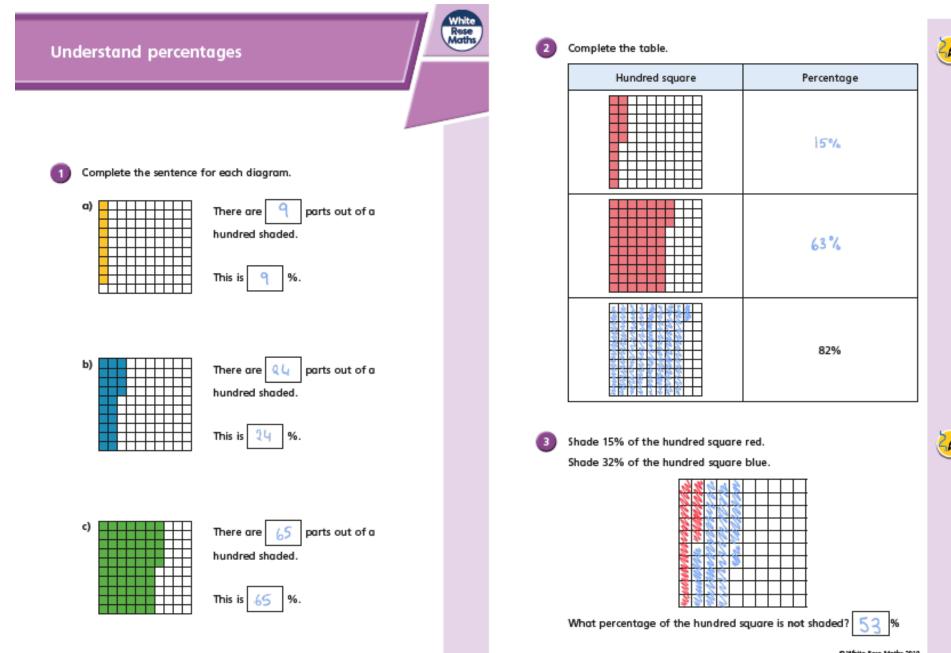
b) How many miles are there in 130 km?

part a) and b).

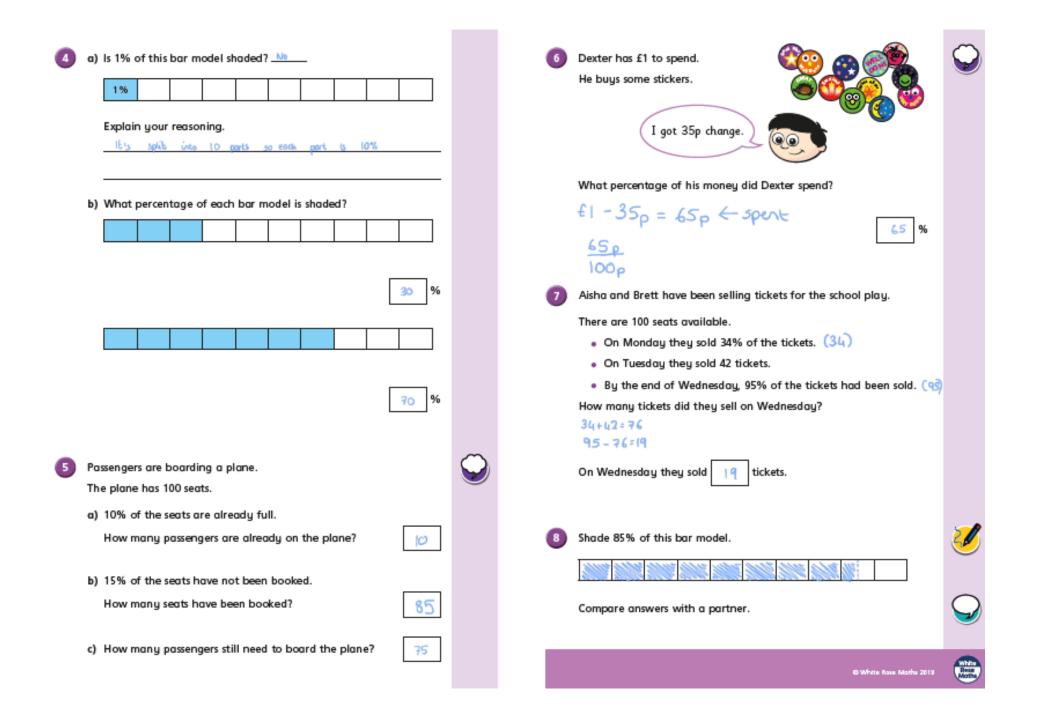
d) Eva cycles 60 miles. Dexter cycles 80 km. Who cycles the furthest? _____ How much further does the person cycle? e) Ron wants to convert 800 km into miles. I can't do it because my graph doesn't go high enough. Ron is incorrect. Explain why. Complete the conversion. Show your working. 800 km = miles f) A high-speed train can travel up to 400 km in an hour. How many miles can it travel in an hour?

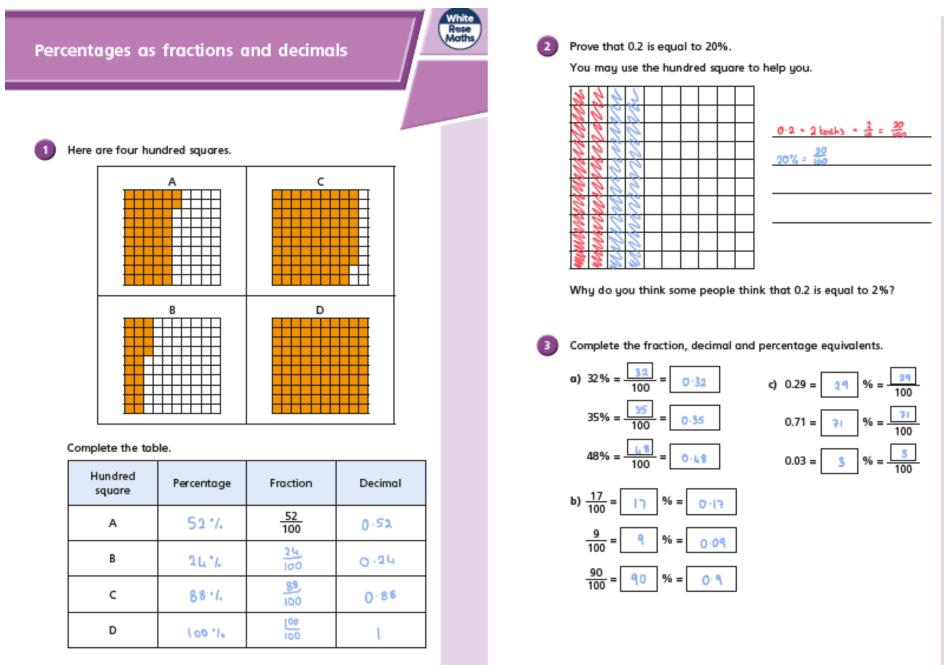


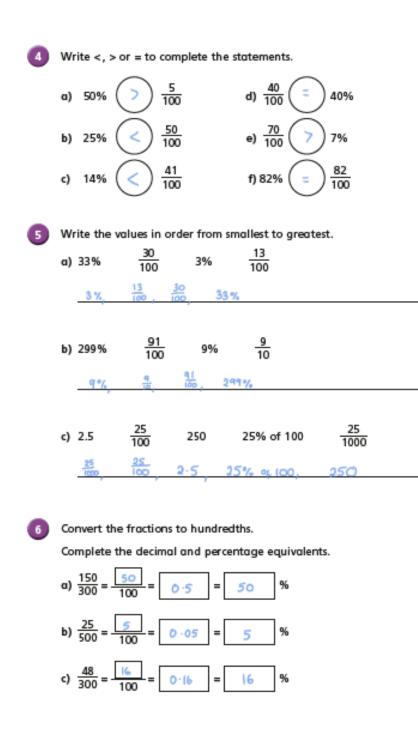
Week 8 – Lesson 1 - ANSWERS

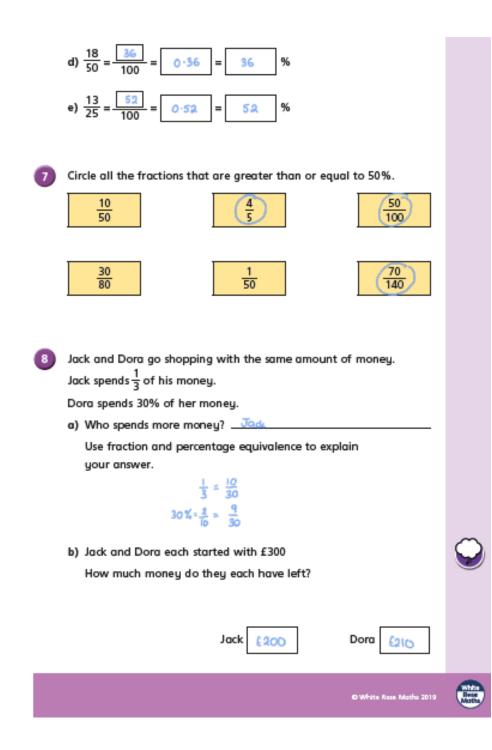


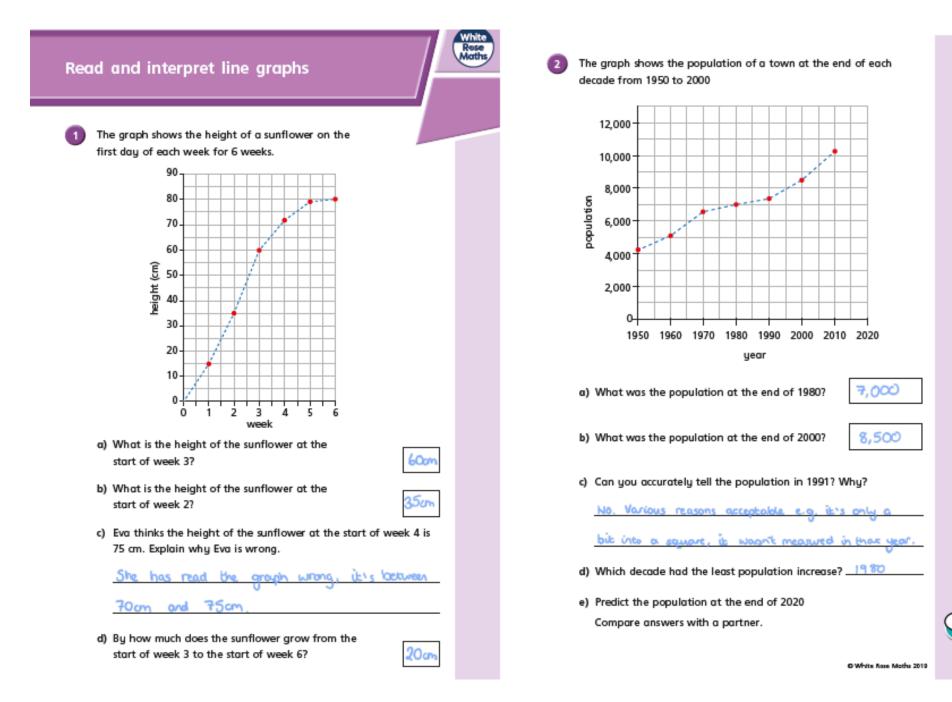
O White Rose Moths 2019



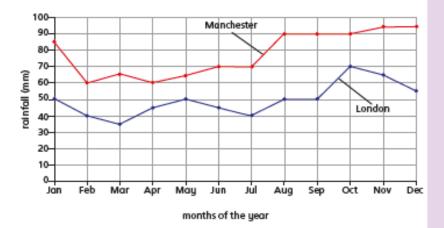








This graph shows the average rainfall in London and Manchester to the nearest 5 mm.



a) How many millimetres of rain falls in London in May?

50-

3

40~~

b) Which months are the driest in Manchester?



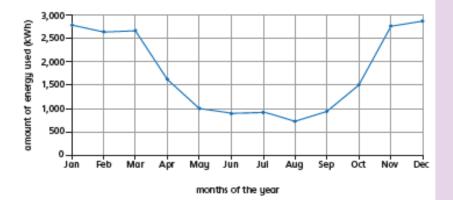
3

- c) Which is the wettest month in London? ______
- d) In January, how much more rainfall is there in Manchester than London?
- e) How many months does it rain more than 50 mm in London and Manchester?
- f) How much more rainfall is there in Manchester than London in December?

4) En

Energy is measured in kWh (kilowatt hours).

This graph shows the amount of energy being used at different times of the year in one household.



Describe three things that you know from looking at the graph.

e.g. less energy is used in the middle of the year. The least energy is used in August. The most energy is used in August.

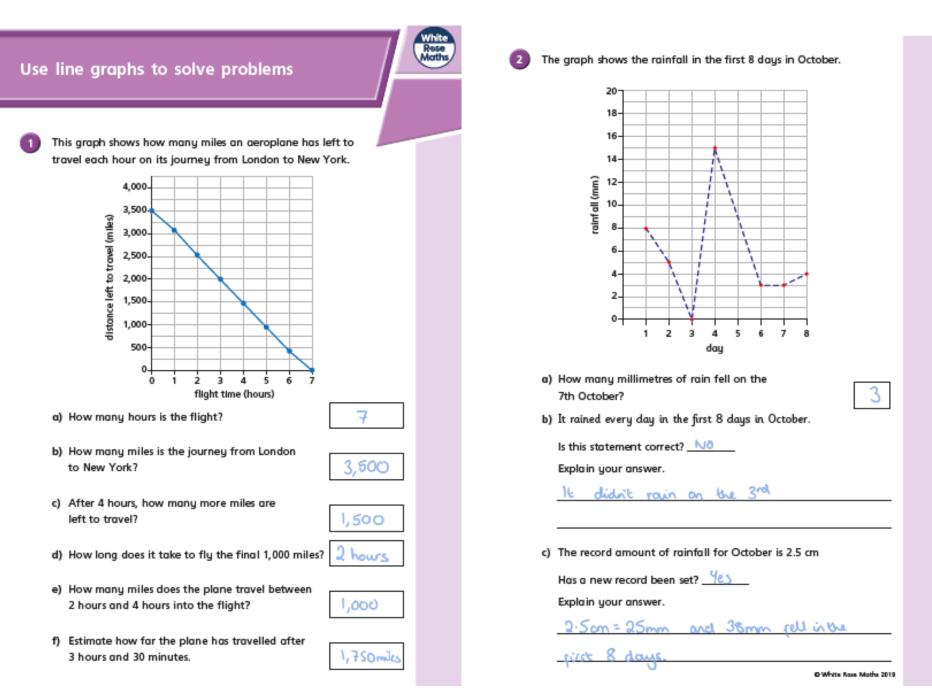
Describe three things that you could find out from the graph.

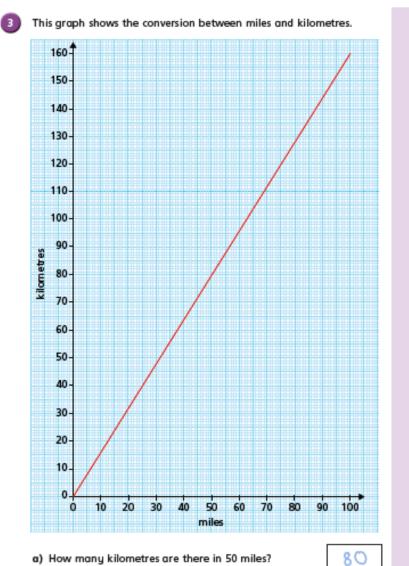
- e.g. The dispersor in the amount of energy weed.
 - The takat amount of earcy word.

The manufo with the briggest clange.

White Rose Moths 201







- a) How many kilometres are there in 50 miles?
- b) How many miles are there in 130 km?
- c) Explain to a partner how you worked out the answers to part a) and b).

81

d) Eva cycles 60 miles. Dexter cycles 80 km. Who cycles the furthest? How much further does the person cycle? Omiles e) Ron wants to convert 800 km into miles. I can't do it because my graph doesn't go high enough. Ron is incorrect. Explain why. can conject solum they multiply You Complete the conversion. Show your working. 800 km = 500 miles f) A high-speed train can travel up to 400 km in an hour. How many miles can it travel in an hour? 250