

1. Jan goes for a skip. She records her progress on a line graph afterwards.












1. Approximately how long did it take Jan to skip 1km?
2. What do you think was happening between 10 and 12 minutes?
3. Jan says, "It took me approximately 5 minutes to skip 500m so it should take me no more than 50 minutes to skip 5000m." Do you think Jan is correct? Explain your reasons.


2.

Each cat stands for a value in this grid.

Complete the grid with the totals for each row and column and then find out what the other cats are worth.

			= 61
			=
			=
=	= 77	=	

	= 23
---	------

	=
---	---

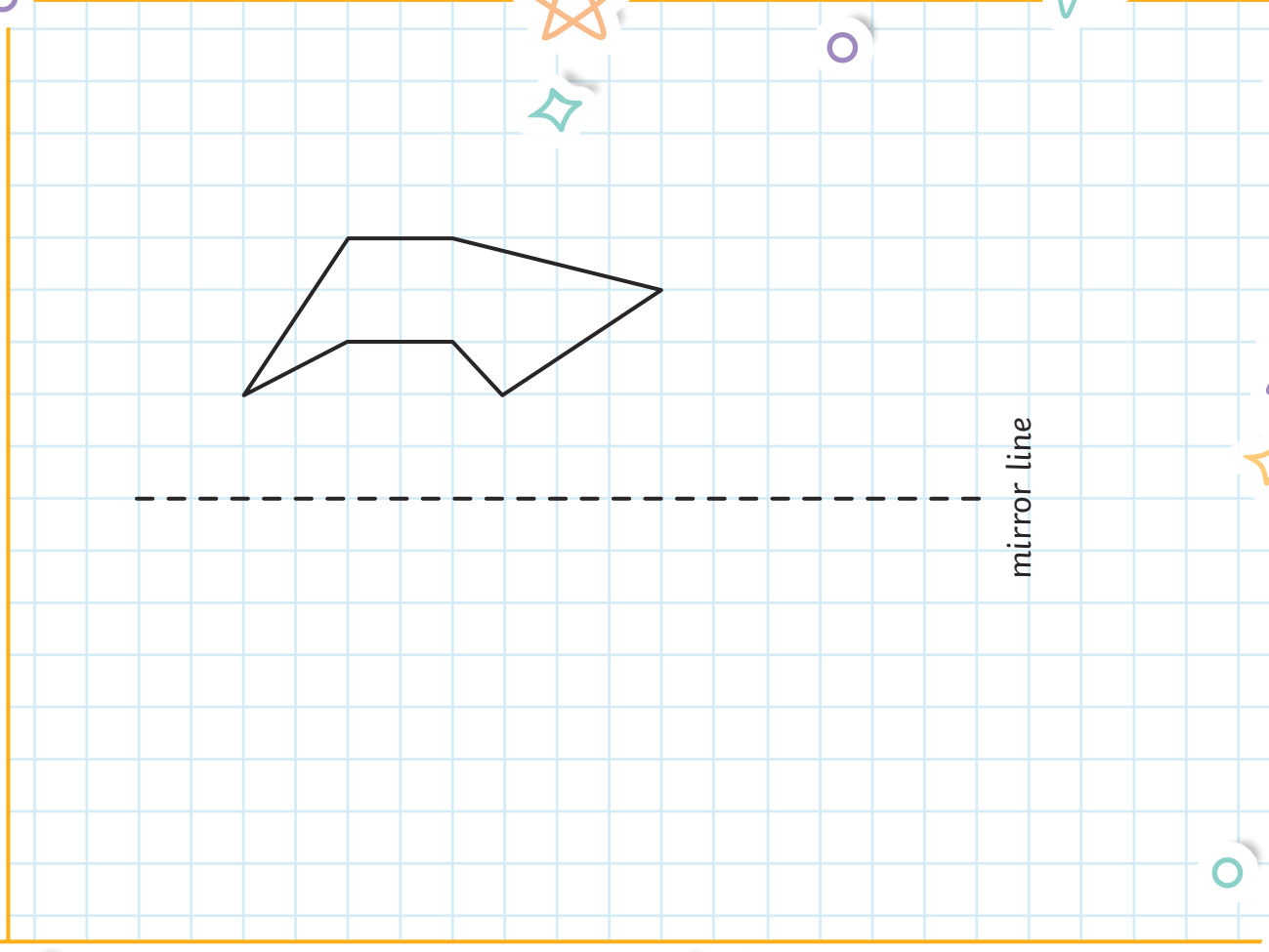
	=
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3. Complete the grid by rounding the numbers to the nearest ten, hundred and thousand.

	nearest 10	nearest 100	nearest 1000
1542			
23 691			
249 906			
405 151			
999 954			

4.

Use a ruler to draw the reflection of the shape.



5.

Jack is investigating prime numbers. He says, "The number 7 is a prime number so every number ending in 7 is a prime number."

Is he correct? Explain your answer.

6.

Paulo is making a cake. The recipe is for 12 people.
He needs:

- 270g margarine
- 270g caster sugar
- 6 eggs
- 270g flour
- 360g icing sugar
- 3 tbs water
- sprinkles

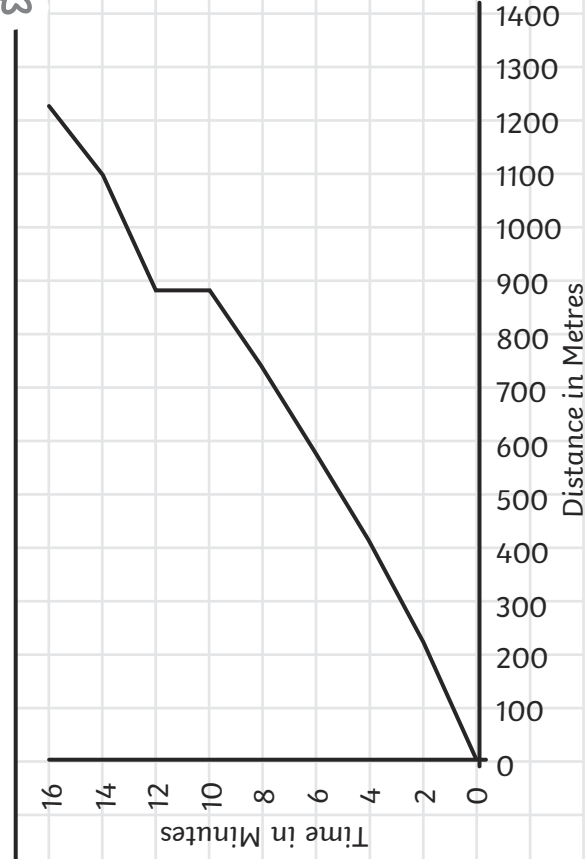
He needs to make enough cake to feed 20 people.

How much of each ingredient will he need?

Cake Recipe

- ____ margarine
- ____ caster sugar
- ____ eggs
- ____ flour
- ____ icing sugar
- ____ tbs water
- sprinkles

1. Jan goes for a skip. She records her progress on a line graph afterwards.



1. Approximately how long did it take Jan to skip 1km?

13 minutes

2. What do you think was happening between 10 and 12 minutes?

Any answer which suggests she stopped skipping, for example:

Jan stopped for a rest/for a drink

She might have fallen over because she stopped skipping










3. Jan says, "It took me approximately 5 minutes to skip 500m so it should take me no more than 50 minutes to skip 5000m." Do you think Jan is correct? Explain your reasons.


Jan is incorrect. She took 5 minutes for the first 500 metres of her skipping, but the graph shows that the next 500 metres took her 8 minutes. Therefore, it is reasonable to assume that she will take longer than 50 minutes to skip 5000 metres.


- 2.


Each cat stands for a value in this grid.

Complete the grid with the totals for each row and column and then find out what the other cats are worth.

			= 61
			= 53
			= 85
= 69	= 77	= 53	

	= 23
---	------

	= 15
---	------

	= 31
---	------

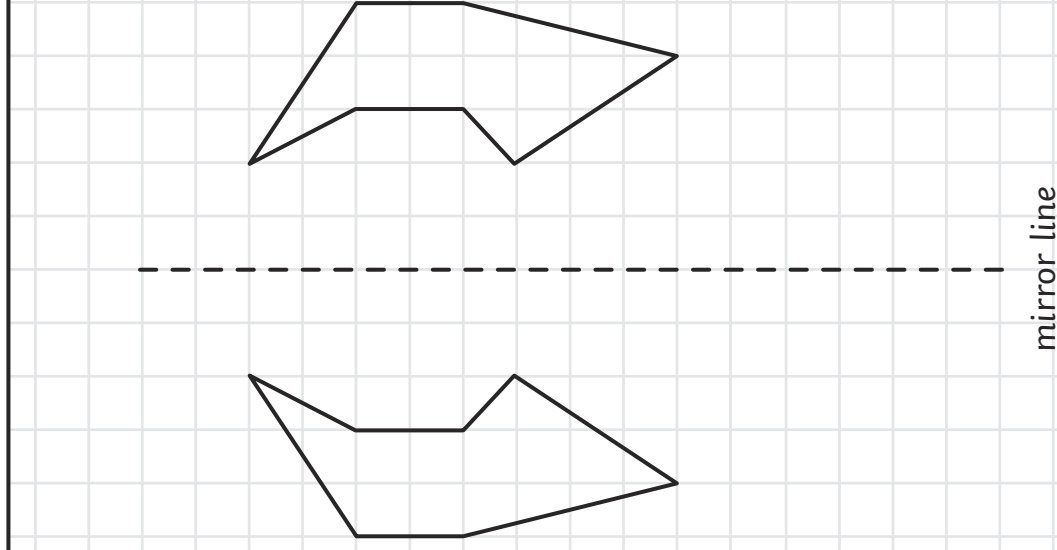
3.

Complete the grid by rounding the numbers to the nearest ten, hundred and thousand.

	nearest 10	nearest 100	nearest 1000
1542	1540	1500	2000
23 691	23 690	23 700	24 000
249 906	249 910	249 900	250 000
405 151	405 150	405 200	405 000
999 954	999 950	1 000 000	1 000 000

4.

Use a ruler to draw the reflection of the shape.



5.

Jack is investigating prime numbers. He says, "The number 7 is a prime number so every number ending in 7 is a prime number."

Is he correct? Explain your answer.

Any answer giving an example to disprove Jack's statement is acceptable, such as:
Jack is incorrect. 7 is a prime number and so is 17,
but the number 27 is not a prime number.

6.

Paulo is making a cake. The recipe is for 12 people. He needs:

- 270g margarine
- 360g icing sugar
- 270g caster sugar
- 3 tbs water
- 6 eggs
- sprinkles
- 270g flour

He needs to make enough cake to feed 20 people. How much of each ingredient will he need?

Work out the recipe for 4 people first by dividing the original measurements by 3:

$$270 \div 3 = 90\text{g margarine}$$

$$270 \div 3 = 90\text{g caster sugar}$$

$$6 \div 3 = 2 \text{ eggs}$$

$$270 \div 3 = 90\text{g flour}$$

$$360 \div 3 = 120\text{g icing sugar}$$

$$3 \div 3 = 1 \text{ tbsp water}$$

Now multiply each ingredient

by 5 to make 20 portions:

$$90 \times 5 = 450\text{g margarine}$$

$$90 \times 5 = 450\text{g caster sugar}$$

$$2 \times 5 = 10 \text{ eggs}$$

$$90 \times 5 = 450\text{g flour}$$

$$120 \times 5 = 600\text{g icing sugar}$$

$$1 \times 5 = 5 \text{ tbsp water}$$

Cake Recipe

- **450g** margarine
- **450g** caster sugar
- **10** eggs
- **450g** flour
- **600g** icing sugar
- **5** tbs water
- sprinkles

We hope you find the information on our website and resources useful. As far as possible, the contents of this resource are reflective of current professional research. However, please be aware that every child is different and information can quickly become out of date. The information given here is intended for general guidance purposes only and may not apply to your specific situation.



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