



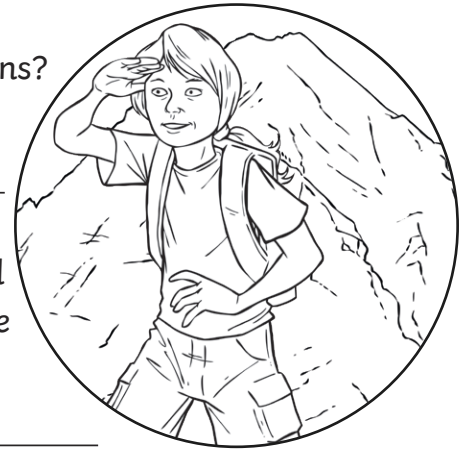
Measures Problem Solving

I can solve problems that involve measurements.



- 1) Mont Blanc is 4809m tall; Mount Teide is 3718m tall.
What is the difference in height between these two mountains?
Write your answer in kilometres. Show your working.

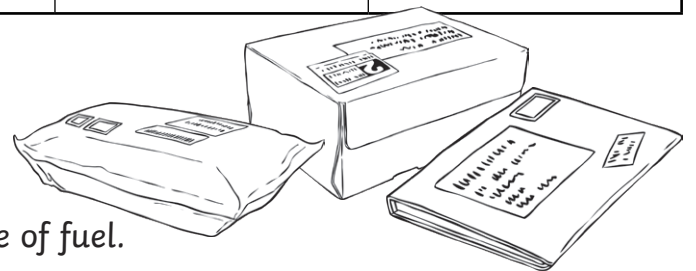
- 2) Kiran threw a javelin 45.3m. The javelin that she used was 2m long. How many javelins would fit into the length of her throw? Show your working.



- 3) Here are the postage rates for parcels sent through Twinkl Mail:
How much would each parcel cost to post?

Maximum Mass of Parcel	Cost
100g	£2.45
500g	£3.65
1kg	£4.50
2kg	£5.35
10kg	£6.75
20kg	£8.40

	Mass of Parcel	Cost
a)	1.5kg	
b)	800g	
c)	4.9kg	
d)	11.8kg	



- 4) A car travels approximately 14.8km per litre of fuel.
How many kilometres would the car travel for each amount of fuel that it used?

Amount of Fuel Used	Approximate Kilometres Travelled
2 litres	
10 litres	
100 litres	



5) Here is an ingredient list for making 12 fairy cakes:

Write the ingredient list to make 24 fairy cakes.



12 Fairy Cakes

- 115g caster sugar
- 125g self-raising flour
- 130g butter
- 2 eggs
- 2 tbsp milk
- 1 tbsp vanilla extract

24 Fairy Cakes

- _____ caster sugar
- _____ self-raising flour
- _____ butter
- _____ eggs
- _____ tbsp milk
- _____ tbsp vanilla extract



Measures Problem Solving Answers

Question	Answer	
1.	Mont Blanc is 4809m tall; Mount Teide is 3718m tall. What is the difference in height between these two mountains? Write your answer in kilometres.	
	1,091km	
2.	Kiran threw a javelin 45.3m. The javelin that she used was 2m long. How many javelins would fit into the length of her throw?	
	22 javelins	
3.	Here are the postage rates for parcels sent through Twinkl Mail: How much would each parcel cost to post?	
	Mass of Parcel	Cost
a.	1.5kg	£5.35
b.	800g	£4.50
c.	4.9kg	£6.75
d.	11.8kg	£8.40
4.	A car travels approximately 14.8km per litre of fuel. How many kilometres would the car travel for each amount of fuel that it used?	
	Amount of Fuel Used	Approximate Kilometres Travelled
	2 litres	29.6km
	10 litres	148km
	100 litres	1480km
5.	Here is an ingredient list for making 12 fairy cakes: Write the ingredient list to make 24 fairy cakes.	
	230g caster sugar 250g self-raising flour 260g butter 4 eggs 4 tbsp milk 2 tbsp vanilla extract	



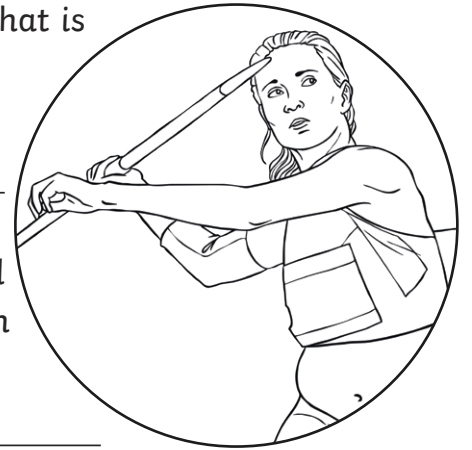
Measures Problem Solving

I can solve problems that involve measurements.



- 1) Mount Rosa is 4.634km tall; Mount Etna is 3350m tall. What is the difference in height between these two mountains? Write your answer in kilometres. Show your working.

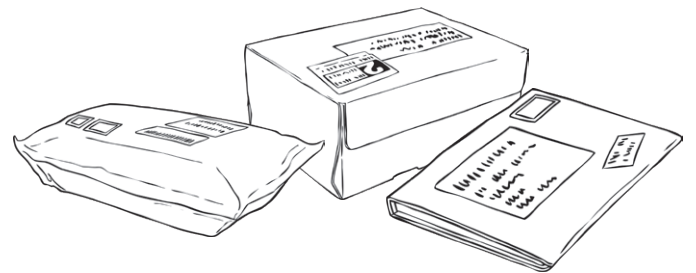
- 2) Stefan threw a javelin 46.26m. The javelin that he used was 3m long. How many javelins would fit into the length of his throw? Show your working.



- 3) Here are the postage rates for parcels sent through Twinkl Mail:

Maximum Mass of Parcel	Cost
100g	£2.47
500g	£3.68
1kg	£4.52
2kg	£5.35
10kg	£6.79
20kg	£8.43

Alex has three parcels to post. The parcels weigh 1547g, 350g and 15.78kg. What would be the total postage cost?



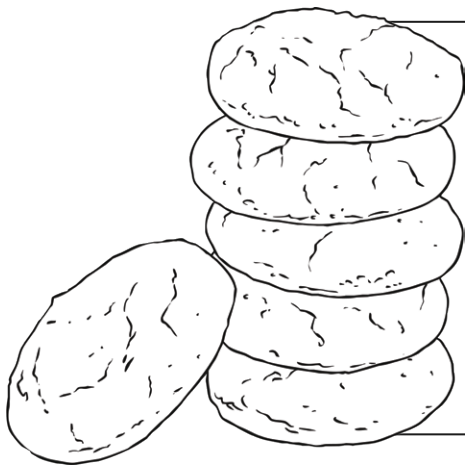
- 4) A sports car travels approximately 13.28km per litre of fuel. An estate car travels approximately 15.66km per litre of fuel. How much further would the estate car travel than the sports car if they both used 10 litres of fuel? Draw a bar model to show your answer.



5) Here is an ingredient list for making 12 biscuits:

Write the ingredient list to make 48 biscuits.

Record amounts over 1000g in kilograms and amounts over 1000ml in litres.



12 biscuits

- 350g plain flour
- 2 tsp baking powder
- 275g light brown sugar
- 1 tsp mixed spice
- 180g butter
- 125g mixed dried fruit
- 1 large egg

48 biscuits

- _____ plain flour
- _____ tsp baking powder
- _____ light brown sugar
- _____ tsp mixed spice
- _____ butter
- _____ mixed dried fruit
- _____ large egg



Measures Problem Solving Answers

Question	Answer
1.	Mount Rosa is 4.634km tall; Mount Etna is 3350m tall. What is the difference in height between these two mountains? Write your answer in kilometres.
	1.284km
2.	Stefan threw a javelin 46.26m. The javelin that he used was 3m long. How many javelins would fit into the length of his throw?
	15 javelins
3.	Alex has three parcels to post. The parcels weigh 1547g, 350g and 15.78kg. What would be the total postage cost?
	£17.46
4.	How much further would the estate car travel than the sports car if they both used 10 litres of fuel? Draw a bar model to show your answer.
	23.8km
5.	Write the ingredient list to make 48 biscuits. Record amounts over 1000g in kilograms and amounts over 1000ml in litres.
	1.4kg plain flour 8 tsp baking powder 1.1kg light brown sugar 4 tsp mixed spice 720g butter 500g mixed dried fruit 4 large eggs



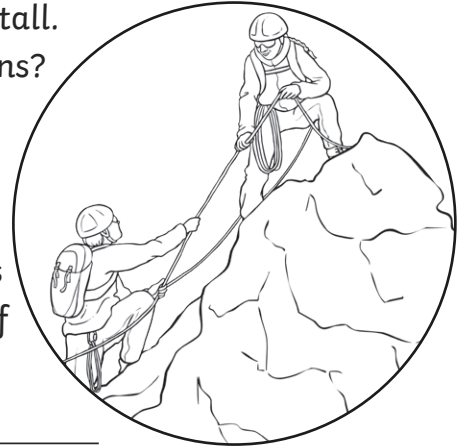
Measures Problem Solving

I can solve problems that involve measurements.



- 1) Mount Kilimanjaro is 5895m tall; Mount Cimbria is 3.9km tall. What is the difference in height between these two mountains? Write your answer in kilometres. Show your working.

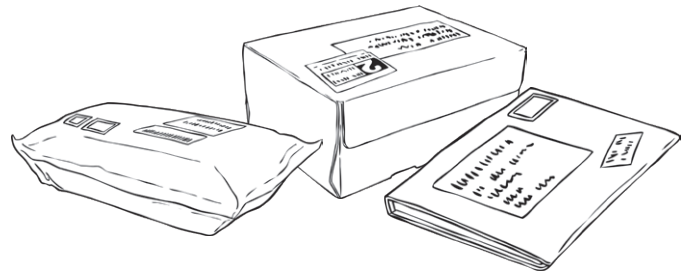
- 2) Jyoti threw a javelin 57.38m. The javelin that she used was 2.5m long. How many javelins would fit into the length of her throw? Show your working.



- 3) Twinkl Mail have a special offer on postage. If you post three parcels, the postage for the cheapest parcel is half price.

Maximum Mass of Parcel	Cost
100g	£2.58
500g	£3.76
1kg	£4.52
2kg	£5.38
10kg	£6.92
20kg	£8.70

Rachel has three parcels to post. The parcels weigh 3.7kg, 0.643kg and 15.13kg. What would be the total postage cost?



- 4) A sports car travels approximately 13.64km per litre of fuel. An estate car travels approximately 15.24km per litre of fuel. How much further would the estate car travel than the sports car if they both used 20 litres of fuel? Draw a bar model to show your answer.

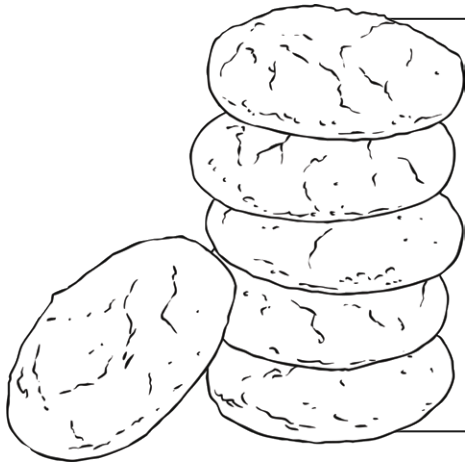
Blank area for drawing a bar model.



5) Here is an ingredient list for making 12 biscuits:

Write the ingredient list to make 72 biscuits.

Record amounts over 1000g in kilograms and amounts over 1000ml in litres.



12 biscuits
 128g butter
 100g brown sugar
 120g caster sugar
 2 eggs
 2 tsp vanilla extract
 230g self-raising flour
 200g chocolate chips

72 biscuits

_____ butter
 _____ brown sugar
 _____ caster sugar
 _____ eggs
 _____ tsp vanilla extract
 _____ self-raising flour
 _____ chocolate chips



Measures Problem Solving Answers

Question	Answer
1.	Mount Kilimanjaro is 5895m tall; Mount Cimbria is 3.9km tall. What is the difference in height between these two mountains? Write your answer in kilometres.
	1.995km
2.	Jyoti threw a javelin 57.38m. The javelin that she used was 2.5m long. How many javelins would fit into the length of her throw?
	22 javelins
3.	Rachel has three parcels to post. The parcels weigh 3.7kg, 0.643kg and 15.13kg. What would be the total postage cost?
	£17.88
4.	How much further would the estate car travel than the sports car if they both used 20 litres of fuel? Draw a bar model to show your answer.
	32km
5.	Write the ingredient list to make 72 biscuits. Record amounts over 1000g in kilograms and amounts over 1000ml in litres.
	768g butter 600g brown sugar 720g caster sugar 12 eggs 12 tsp vanilla extract 1.38kg self-raising flour 1.2kg chocolate chips