

1

Andy goes to the shop to buy a new television for £280.

When he goes to pay, he is informed there is a 20% reduction in the price.

How much does Andy actually pay for the television?

- A £56 B £336 C £260 D £200 E £224

2

A map has the following scale: 1 centimetre represents 9 kilometres.

Two towns are 12 centimetres apart on the map.

What is the actual distance between the towns?

- A 108km B 21km C 96km D 120km E 9km

3

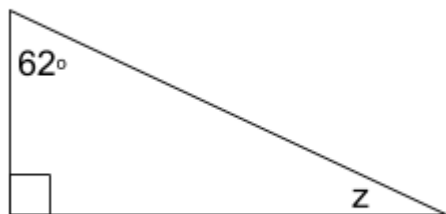
$$7^2 - 27.5$$

What is the answer to the calculation above?

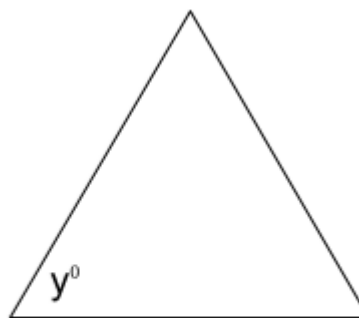
- A 76.5 B 21.5 C 14 D 22.5 E 343

4

Below are two triangles. A right-angled triangle (A), equilateral triangle (B).



(A)



(B)

How much smaller is angle z than angle y ?

A 28° B 32° C 62° D 88° E 2°

For question 5, you have to **write your answers** in the table below.

5

Look at the table below for equivalent fractions, decimals and percentages.

Fill in the eight missing gaps in the table.

Fraction	Decimal	Percentage
$\frac{1}{10}$		
	0.5	
	0.3	
		75%

Read the **whole** passage carefully, then answer the questions that follow.

The Kayaking Trip

1. Sophie took the helmet from Conrad, the kayaking instructor who would be guiding
2. the group down the lake. Sophie pushed her hair out of her face and fitted the
3. helmet on her head. Then she fastened the strap. "I've never had to wear a helmet
4. on a boat before," she complained.

5. "This isn't really a boat," said Conrad. "It's a kayak," he explained in a casual tone.
6. "A kayak is thinner, and it doesn't have an engine." Conrad picked up a pile of life
7. jackets and began distributing them to people as they waited to climb into their
8. kayaks. "We'll hit some choppy water in the lake," he told everyone. "And we want all
9. of you to be safe."

10. "But I feel silly in this helmet," Sophie said. "Do I really need it?" Stepping forward
11. confidently to get a life jacket, she caught her foot in a rope that was coiled up near
12. the raft. Sophie stumbled forward and, with a scream, fell onto the pile of rope.
13. Conrad smiled smugly at Sophie as she untangled herself. "Yes, you really do need
14. it," he answered, holding out his hand to help Sophie up. Sophie stood up carefully,
15. "You know," she said, "I think you're right!"

1

What caused Sophie to fall?

- A getting tangled in the raft's rope.
- B not being able to see out of her helmet.
- C tripping on a life jacket.
- D hitting some choppy water.
- E slipping on the side of the raft.

2

What did Conrad do immediately after giving everyone their helmets?

- A He asked if anyone wanted a life jacket.
- B He helped Sophie stand up again.
- C He picked up life jackets to hand out.
- D He took a helmet from Sophie.
- E He explained that rafts don't have engines.

3

Why did Conrad want everyone to wear a helmet?

- A because he knew Sophie would trip.
- B because he thought rafts were more dangerous than boats.
- C because he did not have enough life jackets.
- D because he wanted everyone to be safe.
- E because the water was very cold.

4

What was the effect of Sophie's fall?

- A Conrad let Sophie remove her helmet.
- B Conrad decided to be more careful with rope.
- C Sophie decided the helmet was silly.
- D Sophie realized she needed the helmet.
- E Sophie refused to get into the raft.

5

Why did Sophie change her mind about the helmet?

- A Because Conrad told her rafts were dangerous.
- B Because she fell and realized the helmet was useful.
- C Because the life jacket felt uncomfortable.
- D Because the water looked deeper than she expected.
- E Because she wanted to make Conrad happy.

Answers**Maths**

- 1) E £224
- 2) A 108km
- 3) B 21.5
- 4) B 32°
- 5)

Fraction	Decimal	Percentage
$\frac{1}{10}$	0.1	10%
$\frac{1}{2}$	0.5	50%
$\frac{3}{10}$	0.3	30%
$\frac{3}{4}$	0.75	75%

English

- 1) A
- 2) C
- 3) D
- 4) D
- 5) B