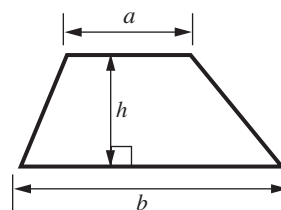
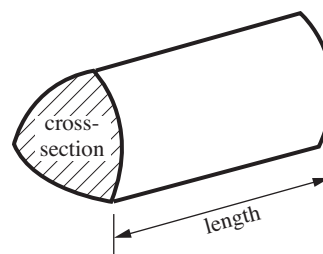


Formulae Sheet

Area of trapezium = $\frac{1}{2}(a + b)h$



Volume of prism = (area of cross-section) \times length

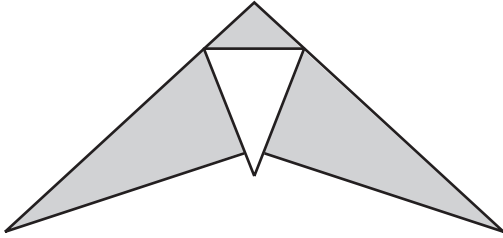


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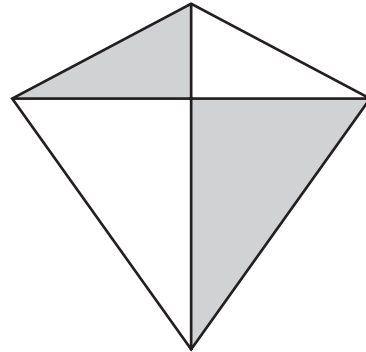
1 Here are some drawings.

Put a tick (✓) under those that **have** reflection symmetry.

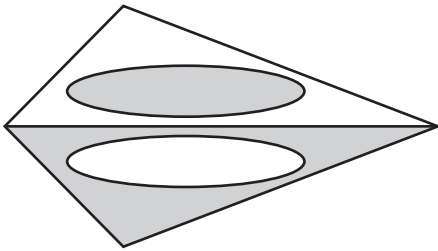
Put a cross (X) under those that **do not have** reflection symmetry.



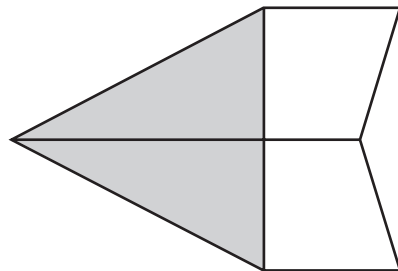
.....



.....



.....



.....

[2]

2	
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- 2 (a) A kite has a mass of 1.5 kilograms.

How many grams are there in 1.5 kilograms?

(a) g [1]

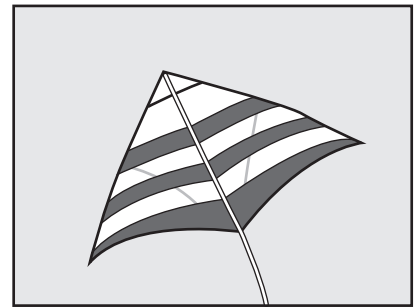
- (b) One metre of kite string has a mass of 4 g.

What is the mass of 32 m of this kite string?

(b) g [2]

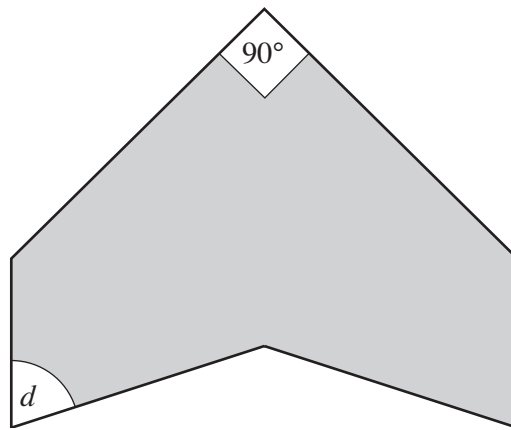
- (c) The world record height for flying a kite is four thousand four hundred and thirty seven metres.

Write four thousand four hundred and thirty seven in figures.



(c) [1]

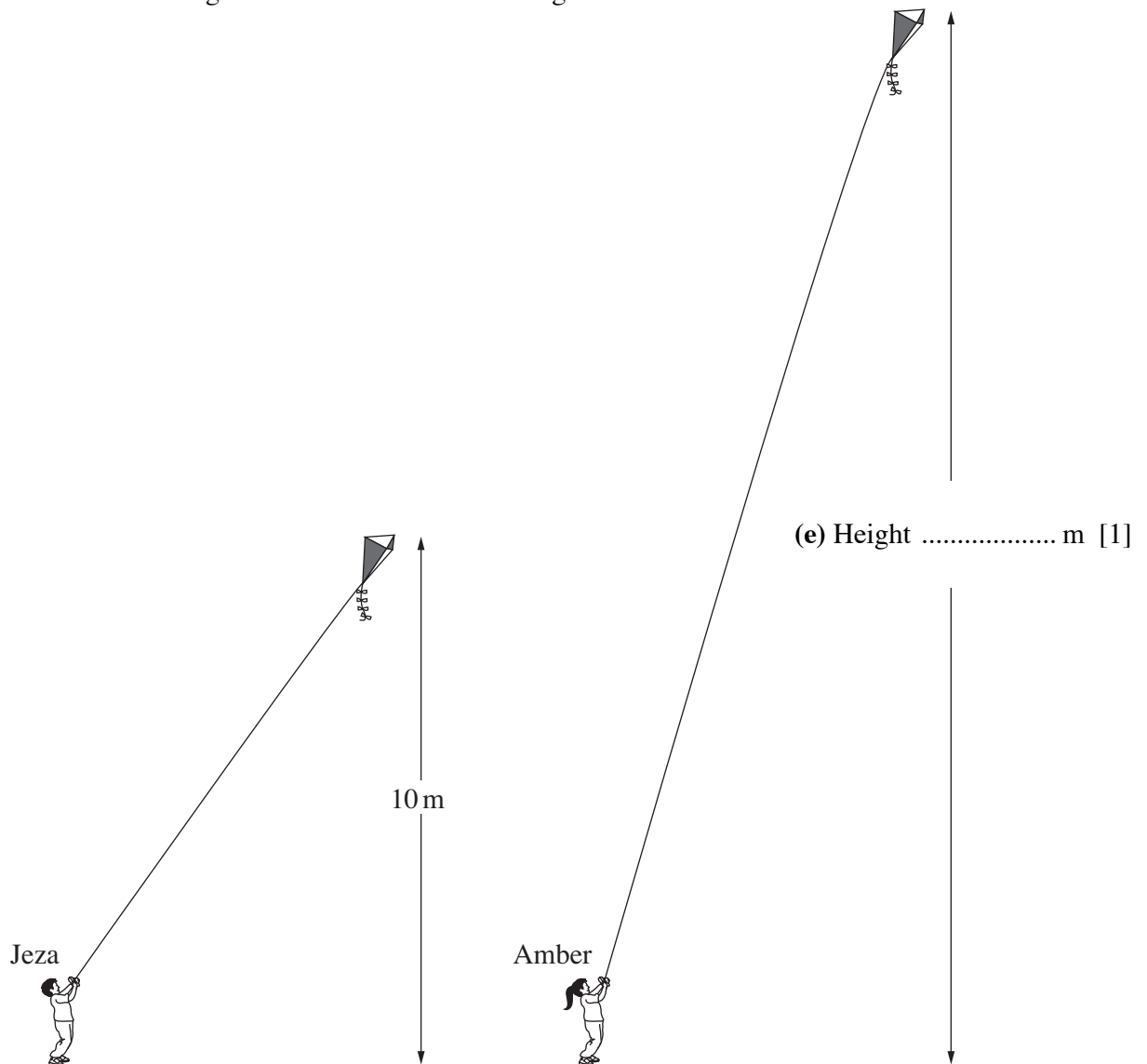
- (d) Estimate the angle d marked on this kite.



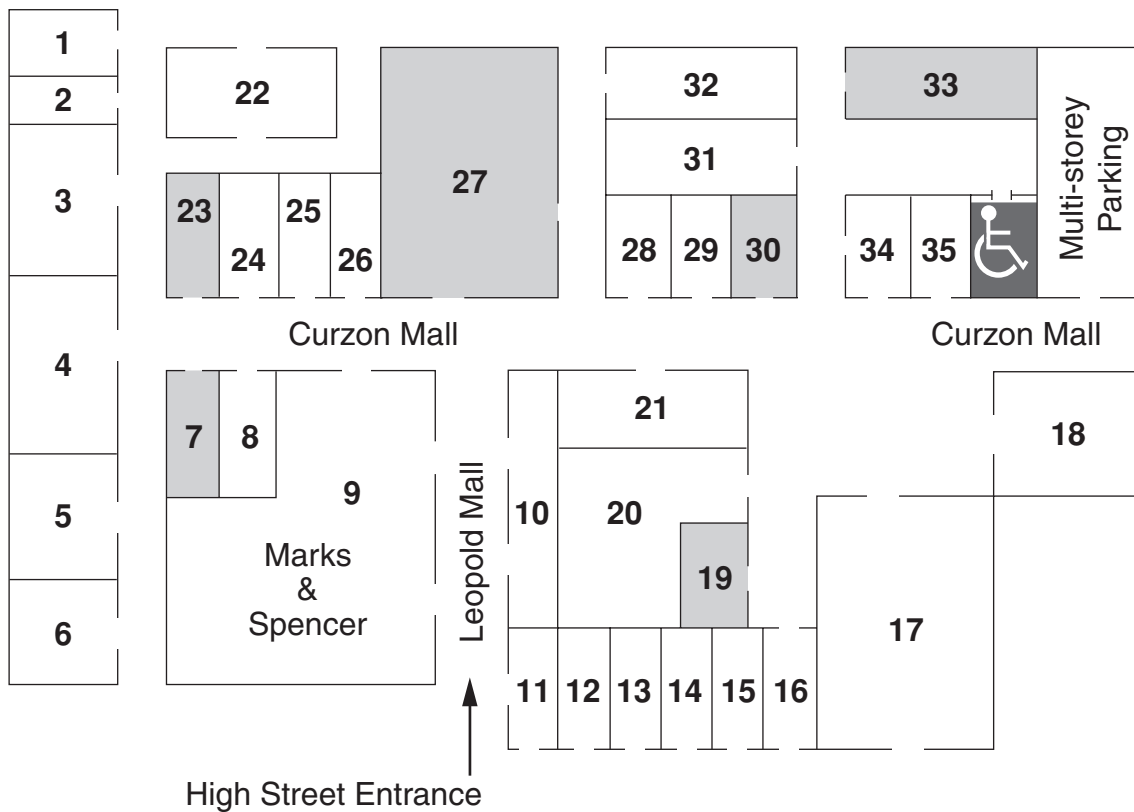
(d) $^\circ$ [1]


- (e) Jeza's kite is 10 m above the ground.

Estimate the height of Amber's kite above the ground.



- 3 Here is a map of a shopping centre.
All the phone shops are shaded in grey and shown in the key.



PHONES		
Disabled Toilets	O2	7
	Fone Zone	19
	Phones R Us	23
	Orange	27
	Phone 4 U	30
	Phone Shop	33

- (a) Two friends enter the centre at the High Street entrance.

Which phone shop is straight in front of them?

(a) [1]

- (b) Complete these directions to get to the disabled toilets from the High Street entrance.

Go straight ahead,

take the first turning on the

then the turning on the

then turn

[2]

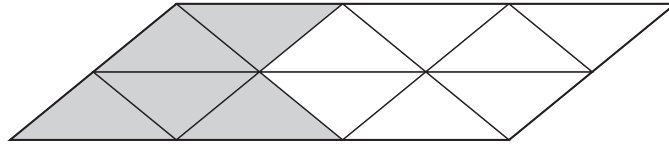
- (c) San turns left out of shop 28 and walks along Curzon Mall.

Which is the next phone shop she comes to?

(c) [1]

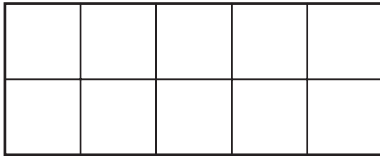
4

- 4 (a) What fraction of this shape is shaded?



(a)..... [1]

- (b) Shade $\frac{1}{5}$ of this shape.



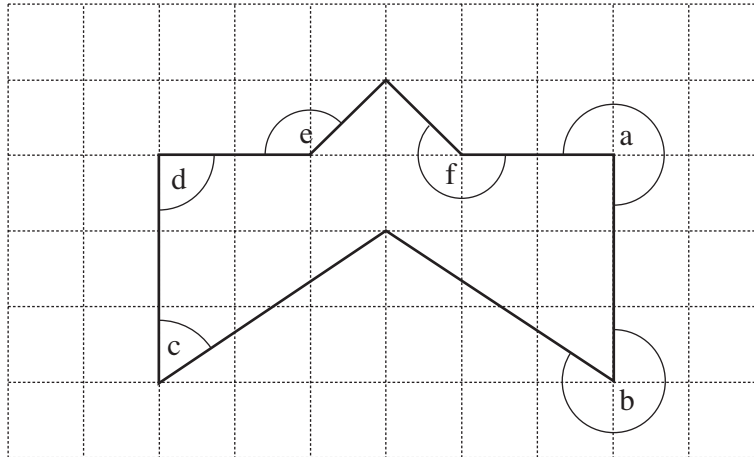
[1]

- (c) Write $\frac{3}{4}$ as a decimal.

(c)..... [1]

3	
---	--

- 5 This shape is drawn on a square grid.



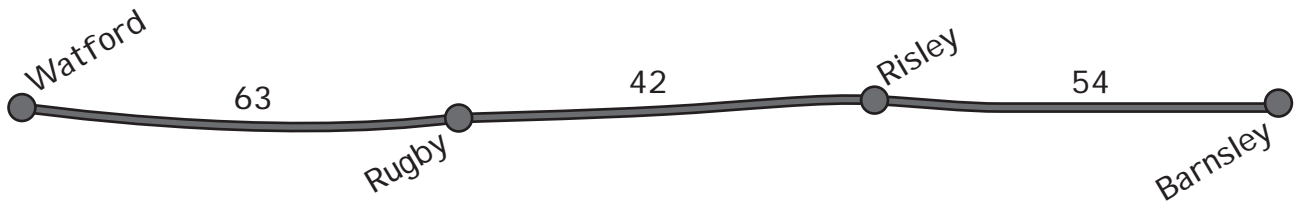
Put the letter for each angle in the correct column of the table.

Acute angle	Obtuse angle	Reflex angle	Right angle

[3]

3	
---	--

- 6 Tina is driving from Watford to Barnsley on the M1.
This sketch shows the distances in miles between
some places on the M1.



- (a) How far is it from Watford to Risley?

(a)miles [1]

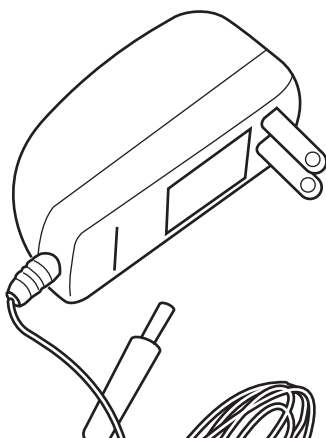
- (b) Tina has travelled 19 miles from Risley towards Barnsley.

How much **further** is it to Barnsley?

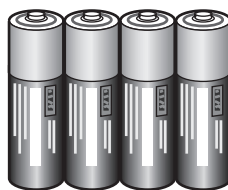
(b)miles [1]

2

- 7 Work out the total cost of this battery charger and the pack of batteries.



Battery
Charger £5.27



Pack of batteries
£6.45

£ [2]

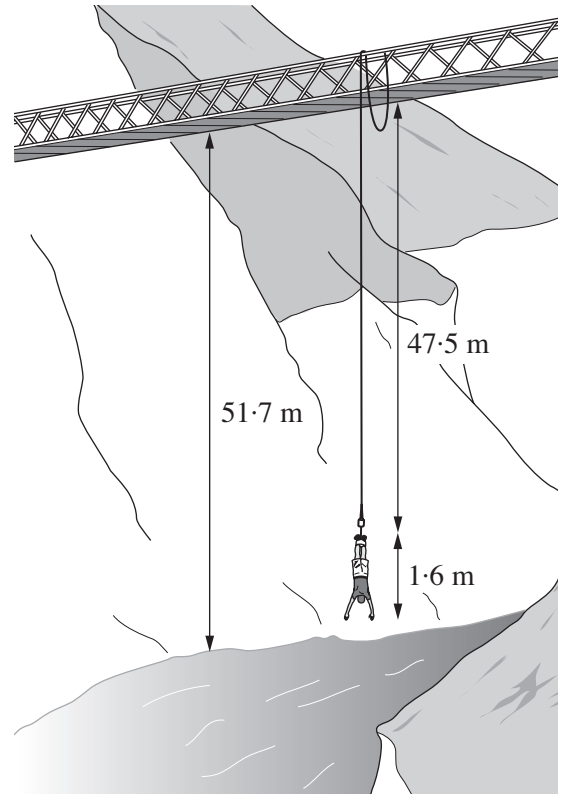
2

- 8 Karli does a bungee jump from a bridge.
The bridge is 51.7 m above a river.

At the lowest point the rope is 47.5 m long.

Karli is 1.6 m tall.

How close does she get to the water?



.....m [3]

3

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