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Comparing Measures

PS Problem-solving questions

Challenge 1

1 Write these lengths in order, longest first.

36.87 m **63.78 m** **83.76 m** **83.67 m** **38.76 m**

_____ _____ _____ _____ _____ 1 mark

2 Write these capacities in order, smallest first.

45.78 litres **4.87 litres** **5.47 litres** **54.87 litres** **78.54 litres**

_____ _____ _____ _____ _____ 1 mark

PS **3** Sonya has three different-sized jugs. The largest jug holds 4.75 litres and the smallest jug holds 4.56 litres.

What could the capacity of the third jug be? _____ litres 1 mark

4 There are three lengths of ribbon. The lengths are $1\frac{1}{2}$ metres, 1.25 metres and 1.65 metres.

Write the lengths in order, smallest first.

_____ m _____ m _____ m 1 mark

PS **5** Stan weighs 43.76 kg, Dubry weighs 46.73 kg and Tom weighs 45.87 kg.

Who is the heaviest? _____ 1 mark

Marks..... /5

Challenge 2

1 Circle the larger mass.

a) 3.2 kg **or** 2800 g **b)** 7.8 kg **or** 8000 g 2 marks

2 Circle the shorter length.

a) 5.6 m **or** 474 cm **b)** 67 mm **or** 6 cm 2 marks

3 Circle the larger capacity.

a) 5.675 litres **or** 570 ml **b)** 8000 ml **or** 10 litres 2 marks

Comparing Measures

4 Write these lengths in order, shortest first.

475 cm **5 m** **4800 mm** **4.7 m**

_____ _____ _____ _____ 1 mark

PS **5** Alvin has a 5 kilogram bag of flour. He uses 255 grams. Has he used over half of the bag? _____ 1 mark

Marks..... /8

Challenge 3

1 Circle the longest length.

$4\frac{1}{2}$ m 4.6 m $4\frac{3}{4}$ m 4.8 m 4.2 m 1 mark

2 Circle the shortest length.

5.7 kilometres 4500 metres

4.85 kilometres 5000 metres 1 mark

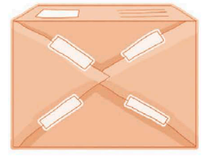
3 Amy is offered four drinks. She wants the largest drink. Circle the drink she should choose.

300 ml can | 0.5 litre bottle | 0.25 litre glass | 1 litre bottle 1 mark

PS **4** There are three parcels. Parcel A weighs 6 kg, parcel B is $\frac{1}{2}$ kg heavier than parcel A and parcel C is 250 g lighter than parcel B.

Write the parcels in order, the heaviest mass first.

_____ _____ _____ 1 mark



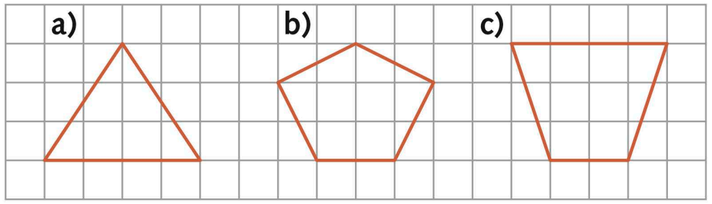
Marks..... /4

Total marks ..... /17 How am I doing?

Lines of Symmetry

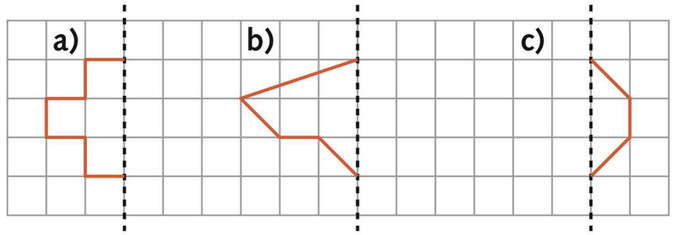
Challenge 1

1 Draw the lines of symmetry on these shapes.



3 marks

2 The dotted lines are lines of symmetry. Complete the shapes.

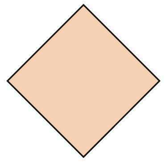


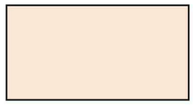
3 marks

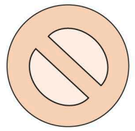
Marks..... /6

Challenge 2

1 How many lines of symmetry does each of these shapes have?

a)  _____

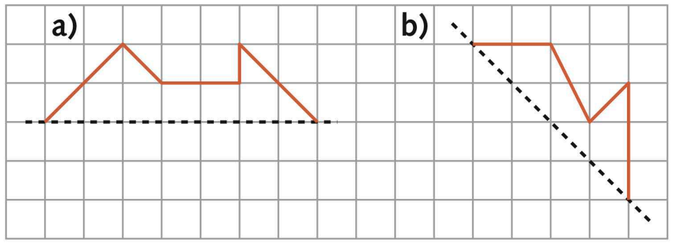
b)  _____

c)  _____

3 marks

Lines of Symmetry

2 The dotted lines are lines of symmetry. Complete the shapes.



2 marks

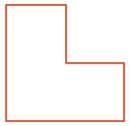
Marks..... /5

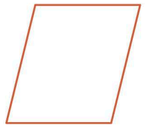
Challenge 3

1 Tick the shape that has no lines of symmetry.

A

B

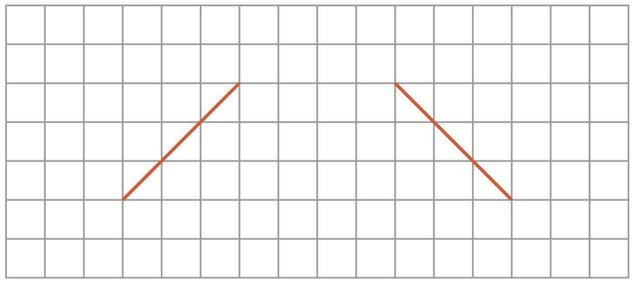
C 

D 

E

1 mark

2 Draw three more lines on the grid to make a pentagon with one line of symmetry.



1 mark

Marks..... /2

Total marks ..... /13 How am I doing?

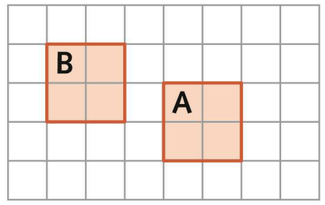
PS Problem-solving questions

16. What type of angle is this?

_____

1 mark

17. A square is translated from position A to position B. Complete the sentence:

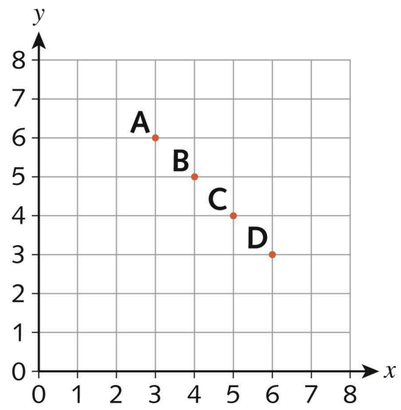


The square has moved _____ square(s)

to the left and _____ square(s) up.

1 mark

18. Look at the coordinate grid.



a) Write the letter at the coordinates (3,6). _____

b) Carl joins the points A, B, C and D to make a straight line. He makes the line longer; write the coordinates of a point on the line.

(_____, _____)

2 marks

PS **19.** This table shows the number of drinks sold in a café one weekend.

Drink / Day	Teas	Coffees	Milkshakes	Juice	Total
Saturday	45	75	12	23	_____
Sunday	38	62	_____	35	150
Total	83	_____	_____	58	305

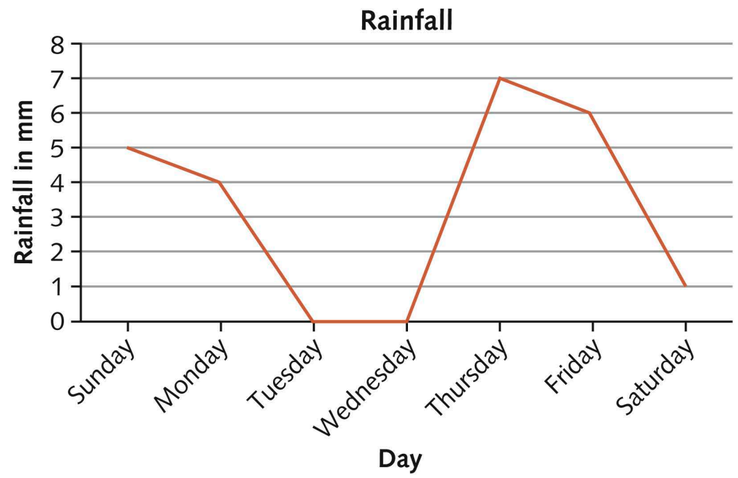
a) How many drinks were sold on Saturday? _____ drinks

b) How many coffees were sold altogether? _____ coffees

c) How many milkshakes were sold on Sunday? _____ milkshakes

3 marks

PS **20.** This time graph shows the rainfall over one week.



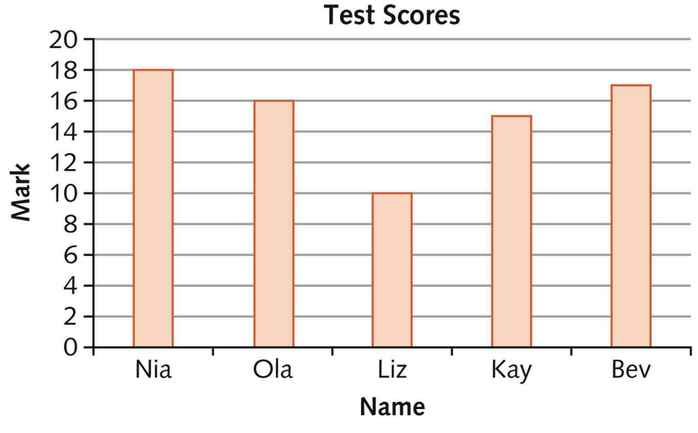
a) What was the greatest amount of rainfall recorded that week? _____ mm

b) Which days had no rain? _____ and _____

c) On how many days was there over 5 mm of rain? _____ days

3 marks

PS **21.** This bar chart shows the marks of five children in a test.



a) Write the name of the person who scored 15. _____

b) Write how many more marks Nia scored than Liz. _____

2 marks

Marks..... /36