AQA - Measure and accuracy – GCSE Mathematics Paper-3
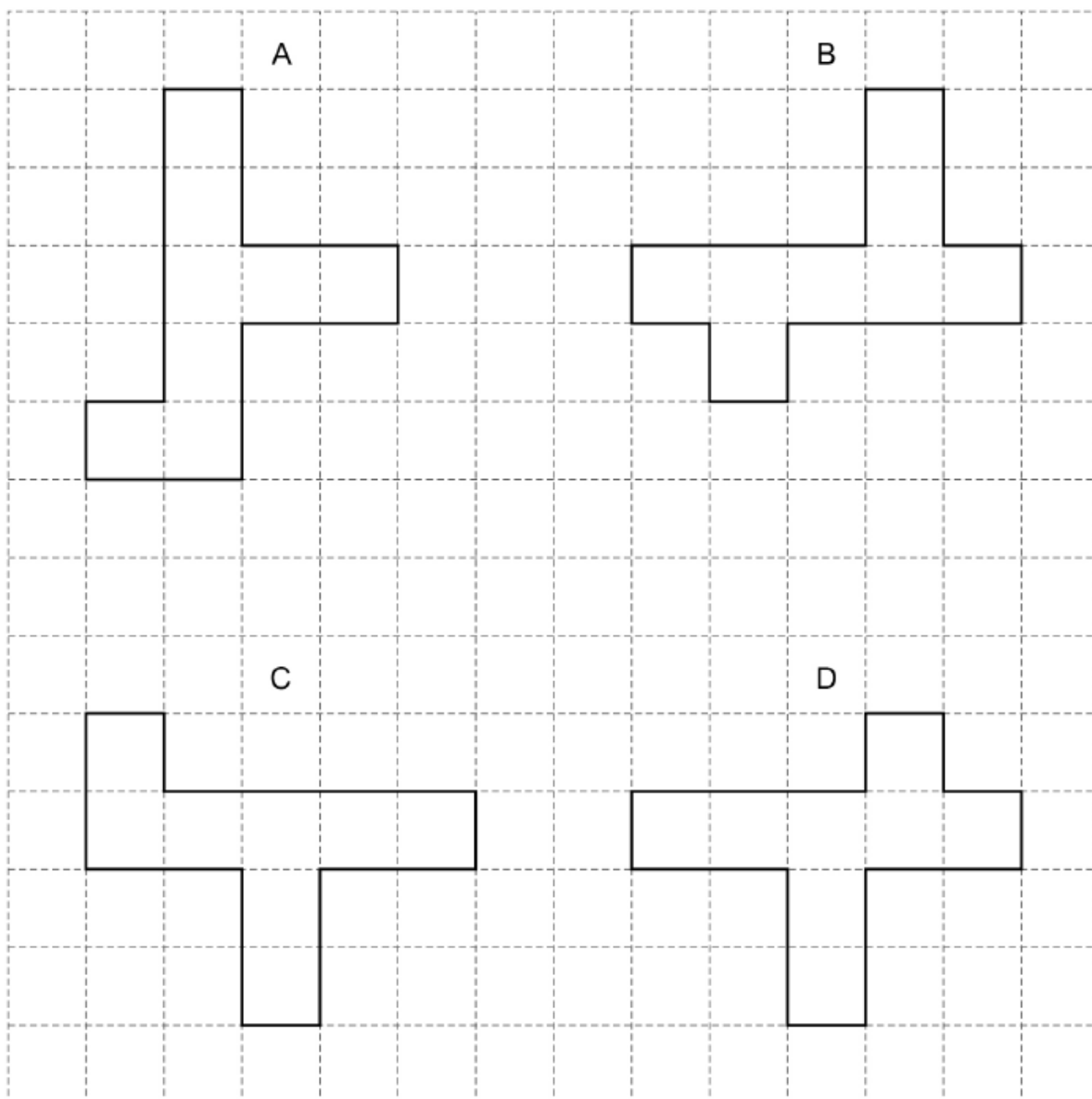
1. May/2020/Paper_3F/No.4

   Shapes A, B, C and D are on a square grid.

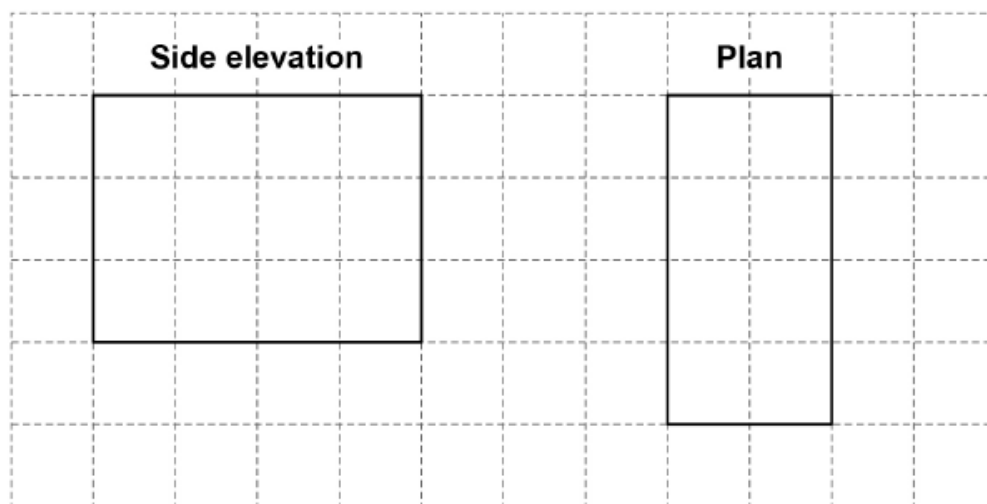Which two shapes are congruent?

Circle your answer.

[1 mark]

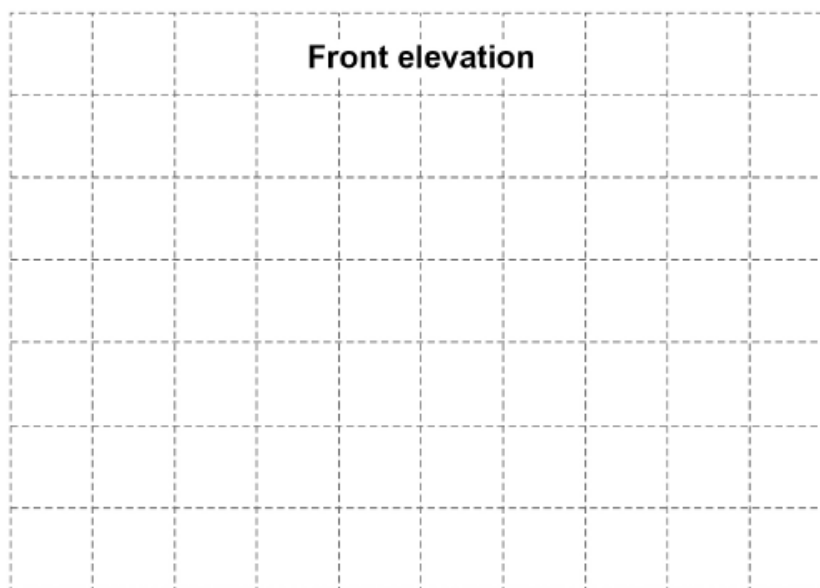A and C   B and A   C and D   D and B

2. May/2020/Paper_3F/No.19

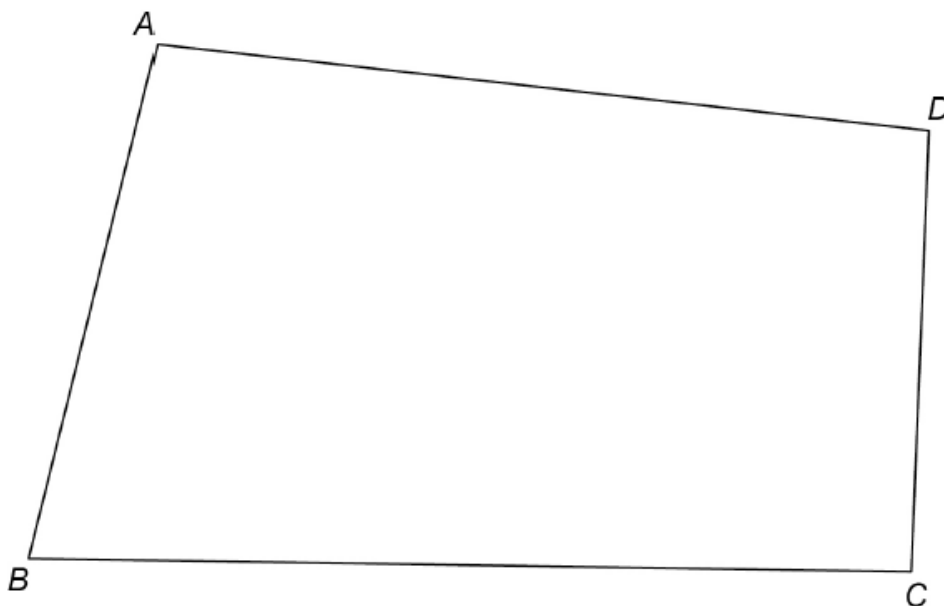The side elevation and plan of a cuboid are shown on the centimetre grid.

Side elevation   Plan

Draw the front elevation of the cuboid on this centimetre grid.

[2 marks]

Front elevation

3. May/2020/Paper_3F/No.22

ABCD represents the plan of a field.

There is a path across the field that

    starts at *B*

    is the same distance from *BA* and *BC*.

Using ruler and compasses, show the position of the path.

[2 marks]

4. May/2020/Paper_3H/No.5

To the nearest 1000, there are 18 000 people at a festival.

(a) Write down the minimum possible number of people at the festival.
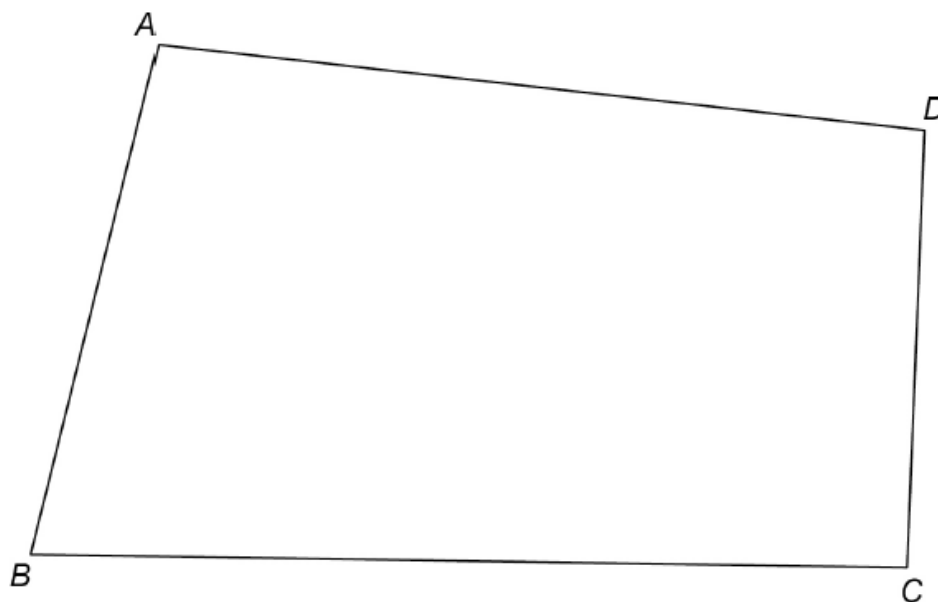
[1 mark]

Answer _____

(b) Write down the maximum possible number of people at the festival.

[1 mark]

Answer _____

5. May/2020/Paper_3H/No.6

ABCD represents the plan of a field.

There is a path across the field that

 starts at *B*

 is the same distance from *BA* and *BC*.

Using ruler and compasses, show the position of the path.

[2 marks]

5. May/2020/Paper_3H/No.6

6.   June/2019/Paper_3H/No.6

To the nearest pound, Jon has £9

To the nearest 50p, Ellie has £6.50

Work out the maximum possible total amount of money.

[3 marks]

Answer £ _____

7. Nov/2019/Paper_3F/No.1

On a circle, which of these is **not** a straight line?

Circle your answer.

[1 mark]

circumference   radius   chord   diameter

8.   Nov/2019/Paper_3F/No.24

An equilateral triangle has side length 16 metres.

Using ruler and compasses only, construct a scale drawing of the triangle.

Use the scale   1 centimetre represents 2 metres.

[3 marks]

Scale: 1 cm represents 2 m

9. Nov/2019/Paper_3H/No.4

When rounded to 3 significant figures, $x = 6.37$

Circle the correct error interval.

[1 mark]

$6.365 \leqslant x < 6.375$ $\qquad\qquad$ $6.36 \leqslant x < 6.38$

$6.369 \leqslant x < 6.379$ $\qquad\qquad$ $6.365 \leqslant x < 6.3749$

10. Nov/2019/Paper_3H/No.7

An equilateral triangle has side length 16 metres.

Using ruler and compasses only, construct a scale drawing of the triangle.

Use the scale   1 centimetre represents 2 metres.

[3 marks]

Scale: 1 cm represents 2 m