AQA

ENTRY LEVEL CERTIFICATE MATHEMATICS
5930/7

Externally set assignment
Component 7 – Geometry

Specimen 2015   Time allowed: 45 minutes

Materials

For this paper you must have:
- a pen
- a pencil
- a ruler

You may use a calculator.

20 counters should be made available for each candidate.

Instructions
- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the bottom of this page.
- Answer **all** questions.
- You must answer the questions in the space provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work that you do not want to be marked.

Information
- The marks for questions are shown in brackets.
- The maximum mark for this paper is 30
- You are expected to use a calculator where appropriate.

Advice
- In all calculations, show clearly how you worked out your answer.

Please write clearly, in block capitals.

Centre number ☐☐☐☐☐   Candidate number ☐☐☐☐

Surname _____

Forename(s) _____

Candidate signature _____

5930/7

Answer **all** questions in the spaces provided.

1   Here are some shapes.

Tick (✓) the square.

[1 mark]
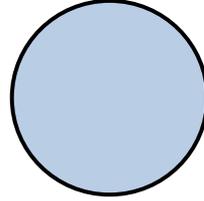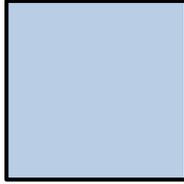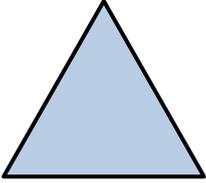
2   Tick (✓) the correct name for each shape.

2 (a)

Triangle ☐   Rectangle ☐

[1 mark]

2 (b)
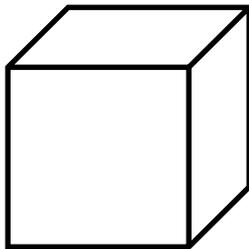
Cube ☐   Circle ☐

[1 mark]

3   Look at the arrows.

A

B

C
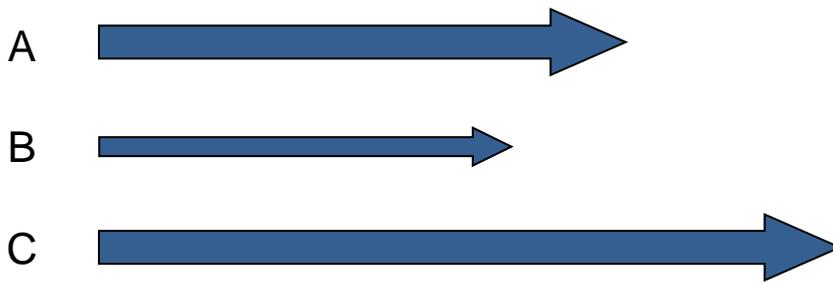
3 (a)   Which is the narrowest arrow?

[1 mark]

_____

3 (b)   Which is the longest arrow?

[1 mark]

_____

4   Circle the smallest star.

[1 mark]

**Turn over ▶**
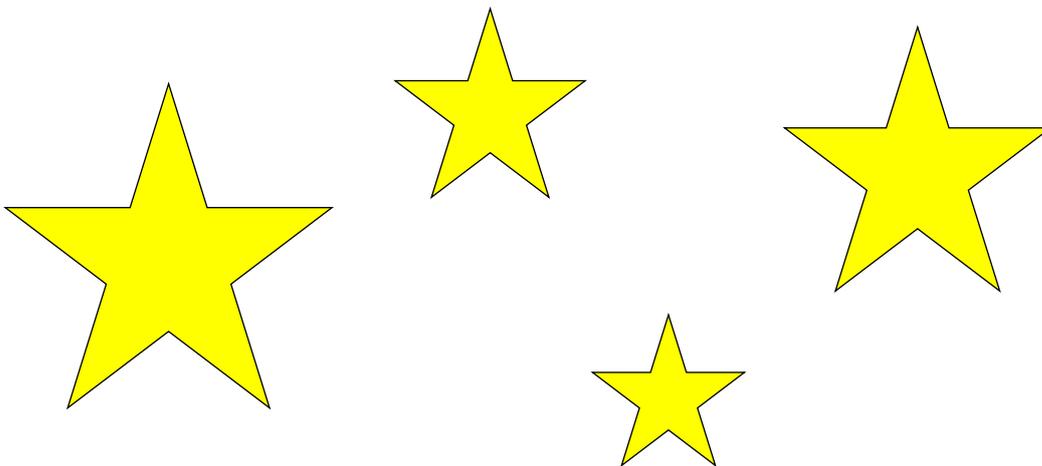
5 Tick (✓) the **two** shapes that are the same.

[1 mark]
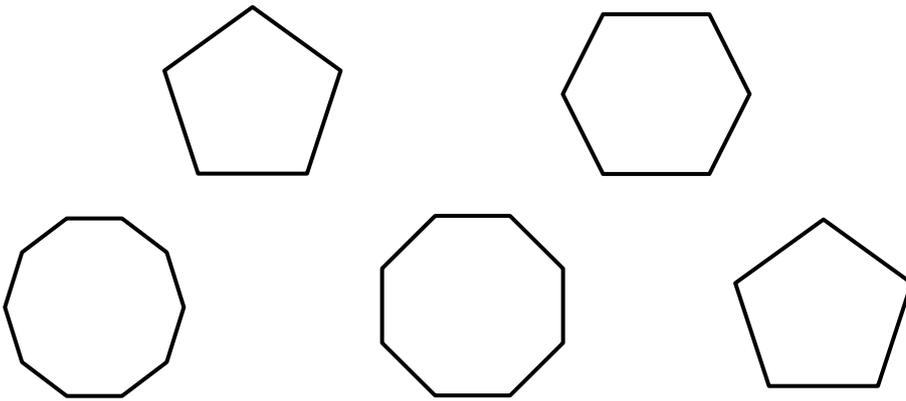
6 Look at the letters below.

K   H

A   D   C   F   E   G

| next to | between | above | below |

Complete each sentence using words from the box.

6 (a) C is _____ D

[1 mark]

6 (b) F is _____ H

[1 mark]

6 (c) D is _____ A and C

[1 mark]

7 Look at the triangles.

Tick (✓) the right-angled triangle.

[1 mark]
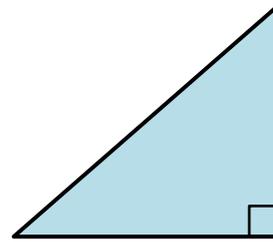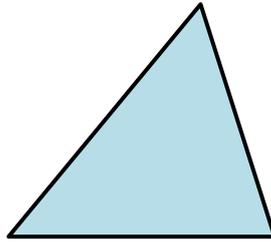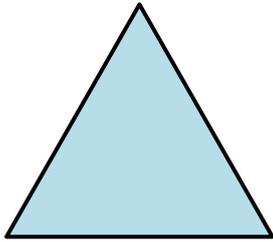
8 Choose the correct name for each shape from the list below.

| Sphere | Hexagon | Pyramid | Octagon |

8 (a)
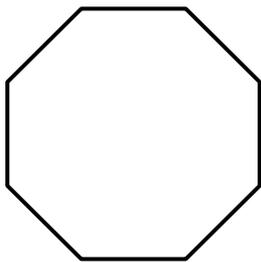
[1 mark]

_____

8 (b)

[1 mark]

_____

8 (c)

[1 mark]

_____

**Turn over ▶**
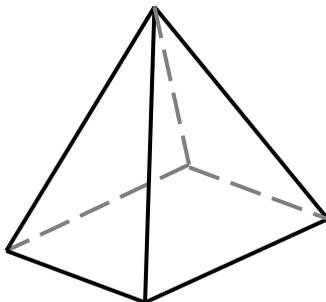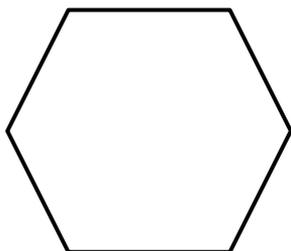
9 Draw the arrow after a half turn.
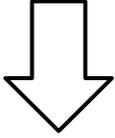
[1 mark]

10 Look at the shape below.
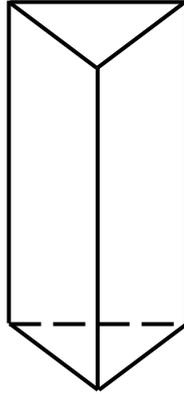
Write down the number of

10 (a) edges

[1 mark]

10 (b) faces

[1 mark]

10 (c) vertices

[1 mark]

**11**   Write down the number of **straight edges** on this shape.

[1 mark]
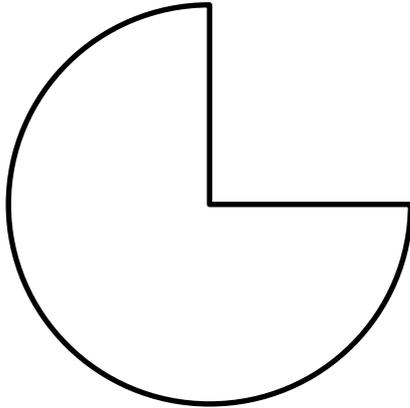
12   Here is an arrow.
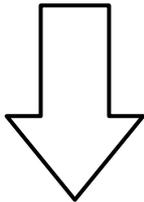
The arrow does a quarter turn clockwise.

Tick (✓) its new position.

[1 mark]
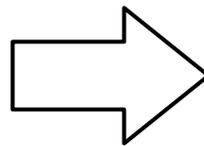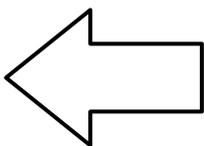
13 Tick (✓) the correct name for each shape.

13 (a)

Cone ☐ Cylinder ☐

[1 mark]

13 (b)
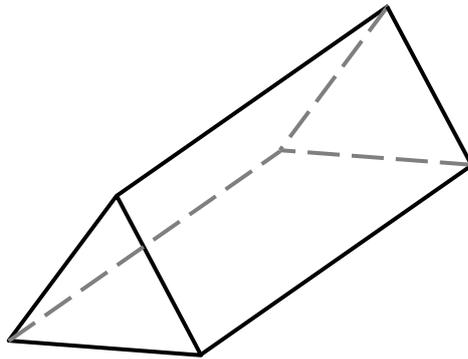
Prism ☐ Pyramid ☐

[1 mark]

14 Draw all of the lines of symmetry on these road signs.

[2 marks]

14 (a)   **14 (b)**

15 Which of the following is the net of a cube?

Circle your answer.

[1 mark]
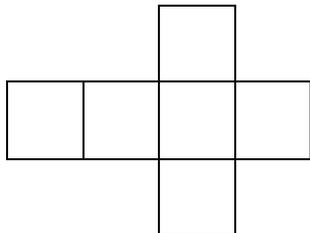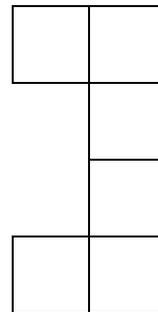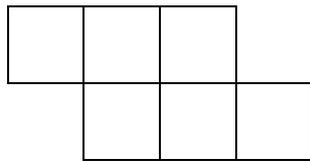
16 Tick (✓) the angle that is **less** than a right angle.

[1 mark]
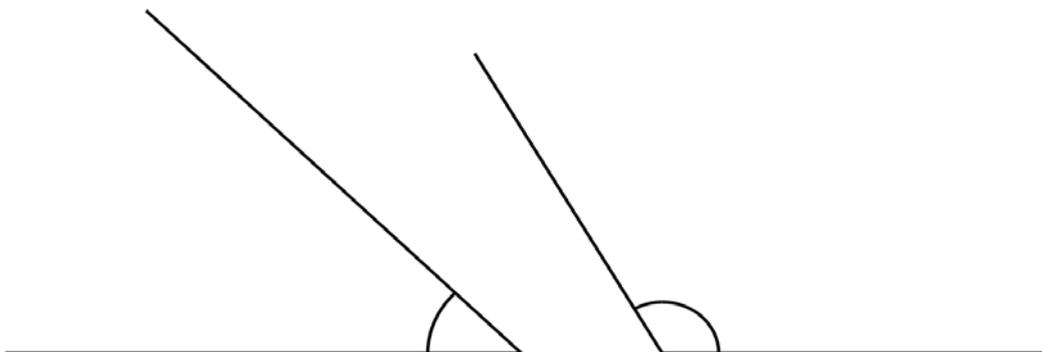
17   Look at the lines below.

Line B

Line C

Line A

Line D
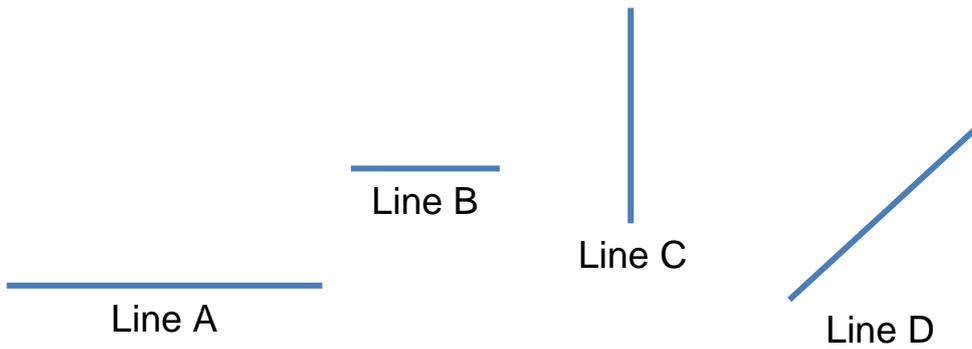
17 (a)   Which line is vertical?

[1 mark]

_____

17 (b)   Which **two** lines are parallel?

[1 mark]

_____   and   _____

18   Plot the point (3, 5) on the grid.

[1 mark]
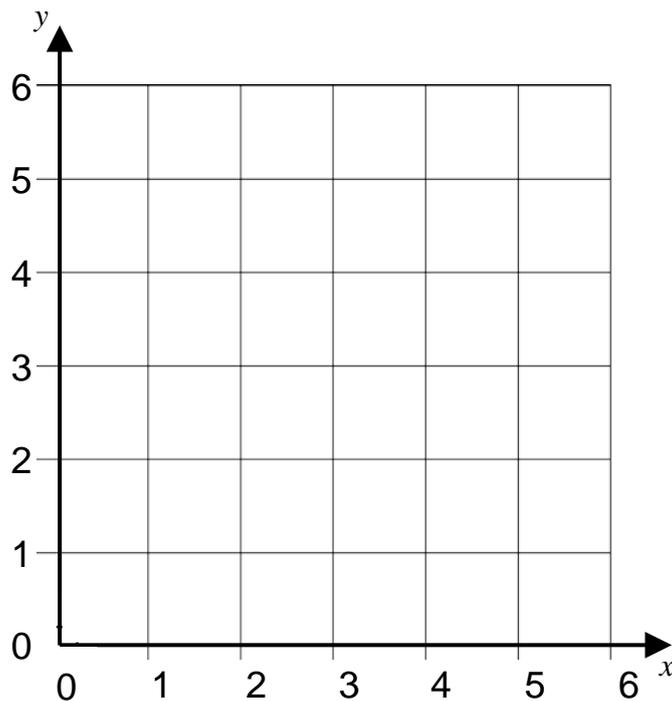
19 Look at the map.
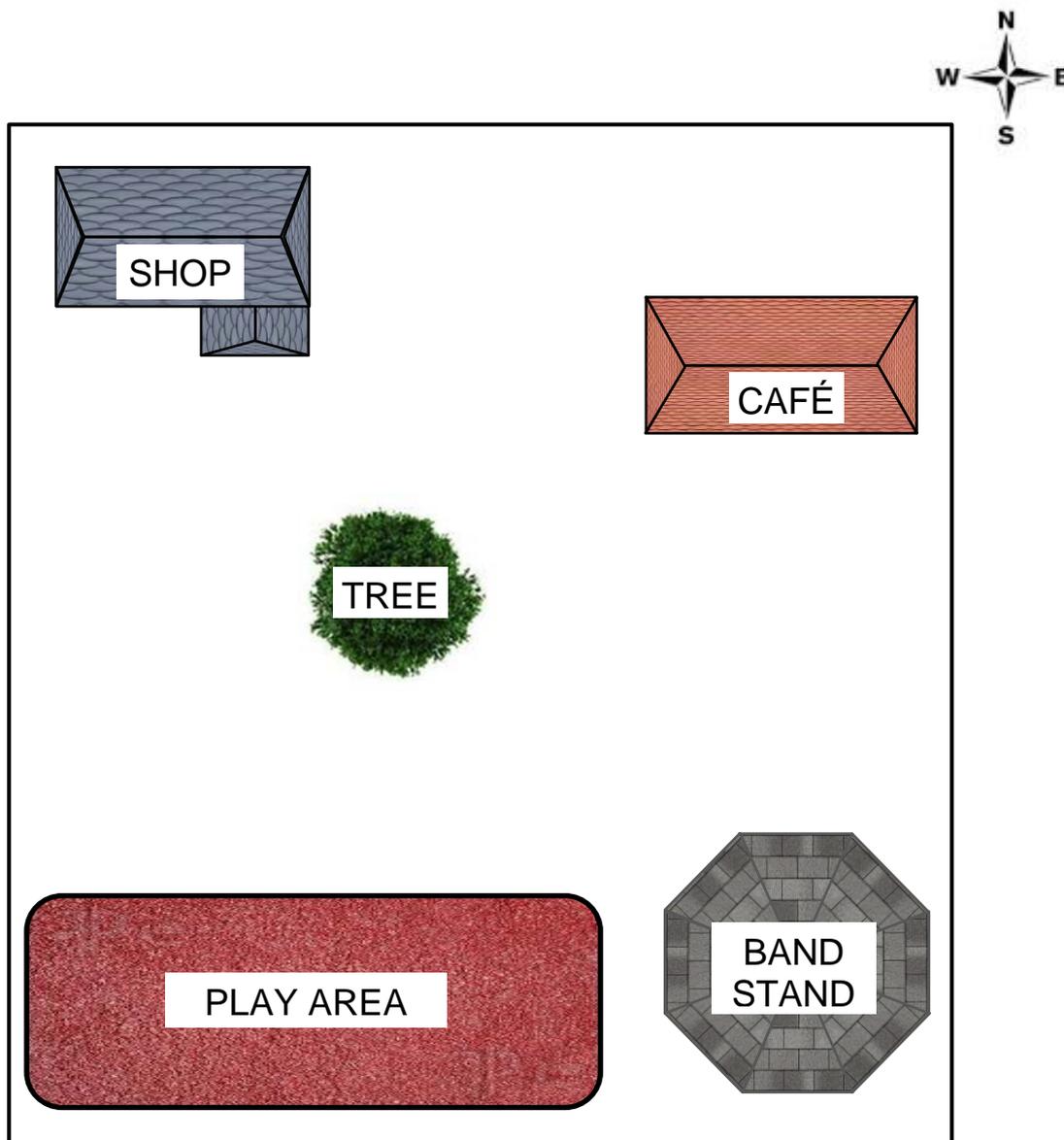
What is North West of the tree?

[1 mark]

END OF QUESTIONS

Turn over ▶

There are no questions printed on this page

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ANSWER IN THE SPACES PROVIDED