



Class
Maths

Video Solutions



PRACTICE PAPER FOR



AQA Paper 1H
(June 2026)



----- Disclaimer -----

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The best way to prepare for the exams is to **revise all topics**.

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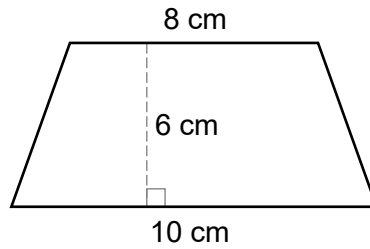




Do not write
outside the
box

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

1



Not drawn
accurately

Work out the area of the trapezium

[2 marks]

Answer _____ cm²

2

Expand and simplify $3x(4 - x) + 8x^2$

[2 marks]

Answer _____





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3 By rounding to one significant figure, estimate the value of 0.2013^4 [3 marks]

Answer _____

4 Increase $\frac{1}{4}$ by 20%
Give your answer as a decimal. [3 marks]

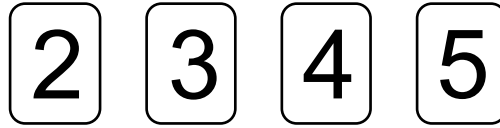
Answer _____

Turn over ►





5 Here are four numbered cards.



Students are asked to use **three** of the cards to make a number in standard form using the layout below.

$$\square \cdot \square \times 10^{\square}$$

5 (a) Jill uses makes the following number.

$$\boxed{2} \cdot \boxed{3} \times 10^{\boxed{4}}$$

Write the number that Jill made as an ordinary number.

[1 mark]

Answer _____





Do not write
outside the
box

5 (b) Oliver makes the largest number possible using three of the cards.

Write numbers in the boxes below to show Oliver's number.

[1 mark]

$$\square \cdot \square \times 10^{\square}$$

5 (c) Charlotte makes the number that is as close as possible to 3000 using three of the cards.

Write numbers in the boxes below to show Charlotte's number.

[1 mark]

$$\square \cdot \square \times 10^{\square}$$

$\frac{\square}{3}$

Turn over ►





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6 Write $3\frac{1}{3} : \frac{2}{3}$ in the form $n : 1$ [2 marks]

Answer _____ : 1

7 x and y are integers

$$x < 11 \quad \text{and} \quad -5 \leq y < 4$$

7 (a) Write down the largest possible value of x [1 mark]

Answer _____

7 (b) Work out the largest possible value of y^2 [2 marks]

Answer _____





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8 A bag contains 30 counters that are either red or blue.

$$\text{number of red counters} : \text{number of blue counters} = n : 1$$

n is an integer greater than 1.

Work out all the possible values for n .

[3 marks]

Answer _____

9 The n th term of a linear sequence is $6n - 1$

Work out the first term of the sequence that is not a prime number.

[3 marks]

Answer _____

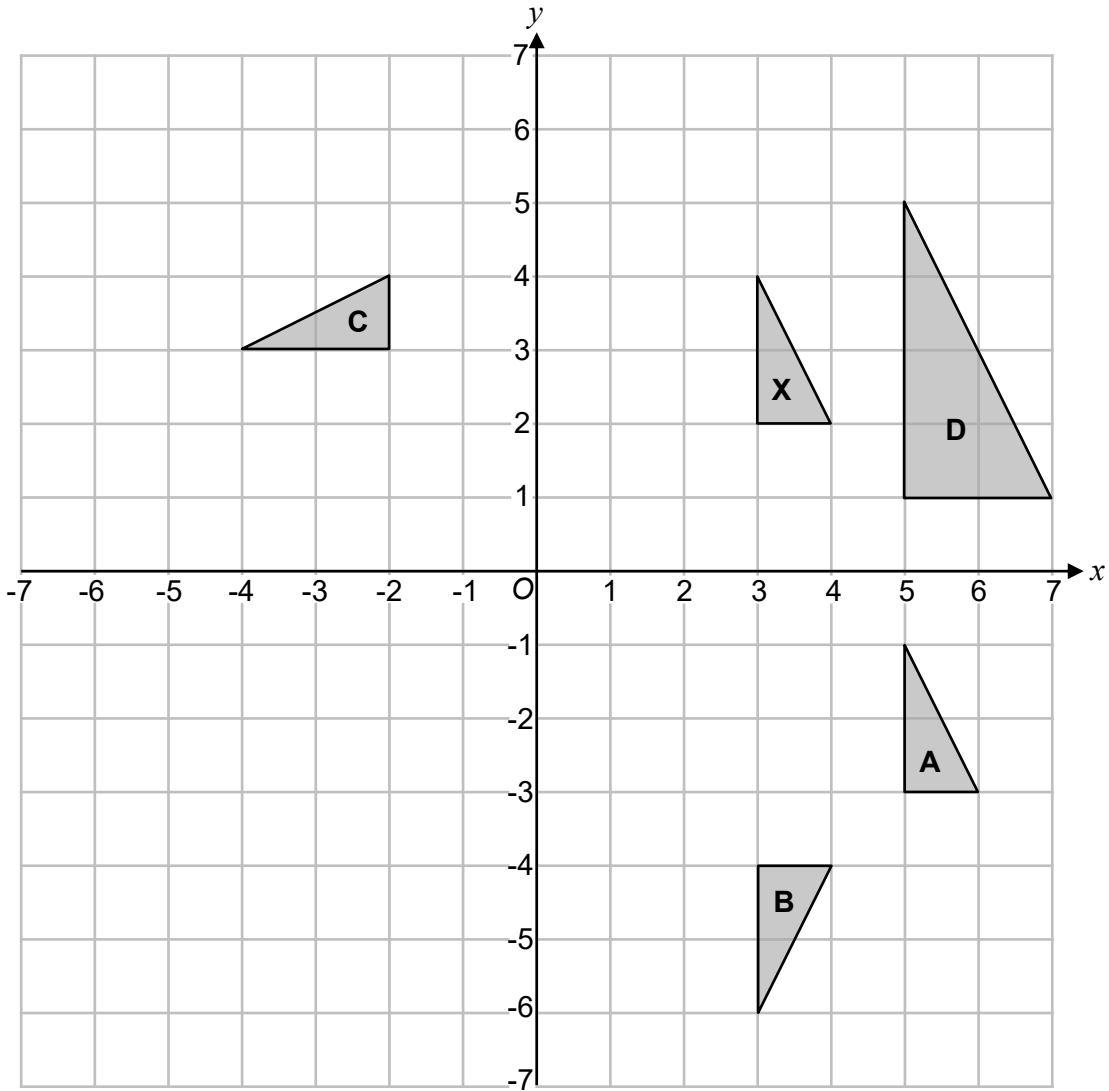
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10



10 (a) The transformation that maps shape X onto shape A is

a translation by the vector $\begin{pmatrix} 2 \\ -5 \end{pmatrix}$

Describe fully the single transformation that maps shape A onto shape X. [1 mark]





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10 (b) The transformation that maps shape **X** onto shape **B** is

a reflection in the line $y = -1$

Describe fully the single transformation that maps shape **B** onto shape **X**. [1 mark]

10 (c) The transformation that maps shape **X** onto shape **C** is

a rotation, 90° anticlockwise about $(0,0)$

Describe fully the single transformation that maps shape **C** onto shape **X**. [1 mark]

10 (d) The transformation that maps shape **X** onto shape **D** is

an enlargement, scale factor 2, about the point $(1, 3)$

Describe fully the single transformation that maps shape **D** onto shape **X**. [1 mark]

$\frac{1}{4}$

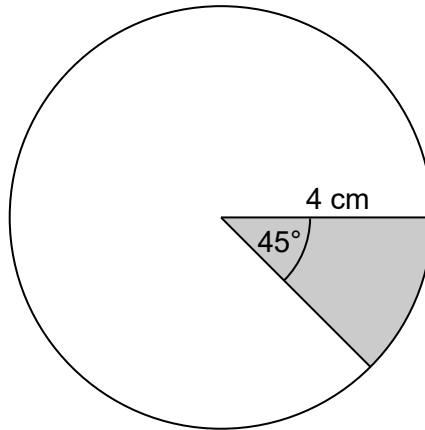
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11 Here is a circle with a radius of 4 cm.



Not drawn
accurately

Work out the area of the shaded sector.
Give your answer in terms of π .

[3 marks]

Answer _____ cm^2





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12 Here is some information about Kye's mock exam papers for maths.

- Paper 1 mark = 45
- Paper 2 mark = 2 × Paper 3 mark

Kye's mean mark for all three papers was 40.

Work out how many marks Kye scored in Paper 3. **[4 marks]**

Answer _____

13 Write the following in order of size.
Start with the smallest.

cos 0° tan 0° cos 60° tan 60° **[3 marks]**

Smallest _____

Largest _____

Turn over ►

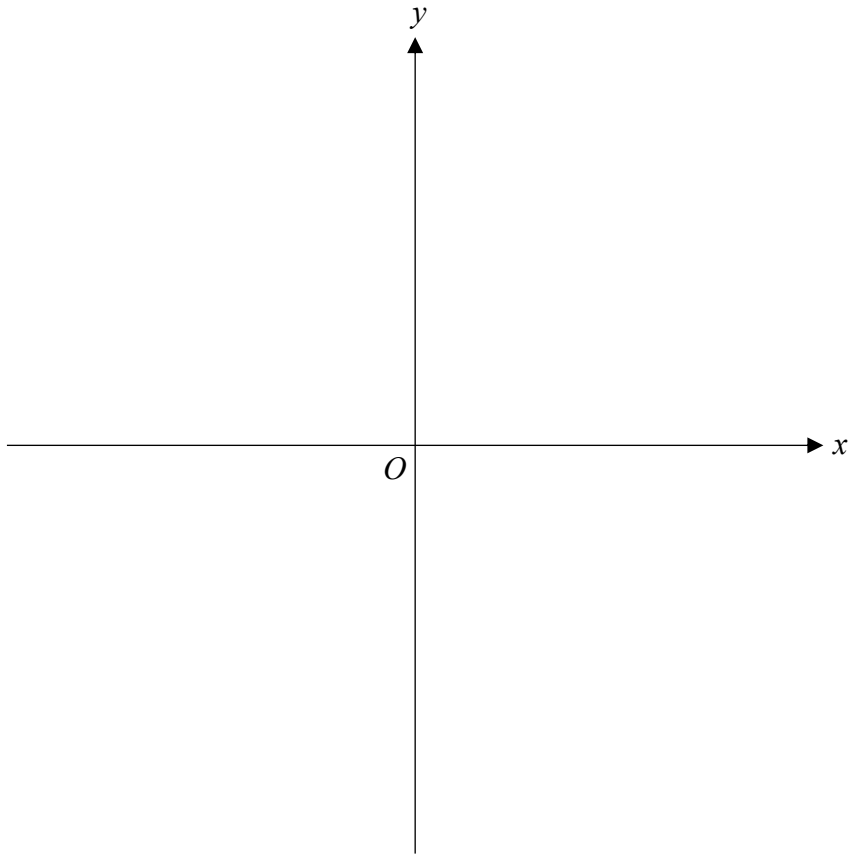




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14 On the axes, sketch the graph of $y = \frac{1}{x}$

[1 mark]



15 Write 9×10^{50} as a product of its prime factors.

[3 marks]

Answer _____





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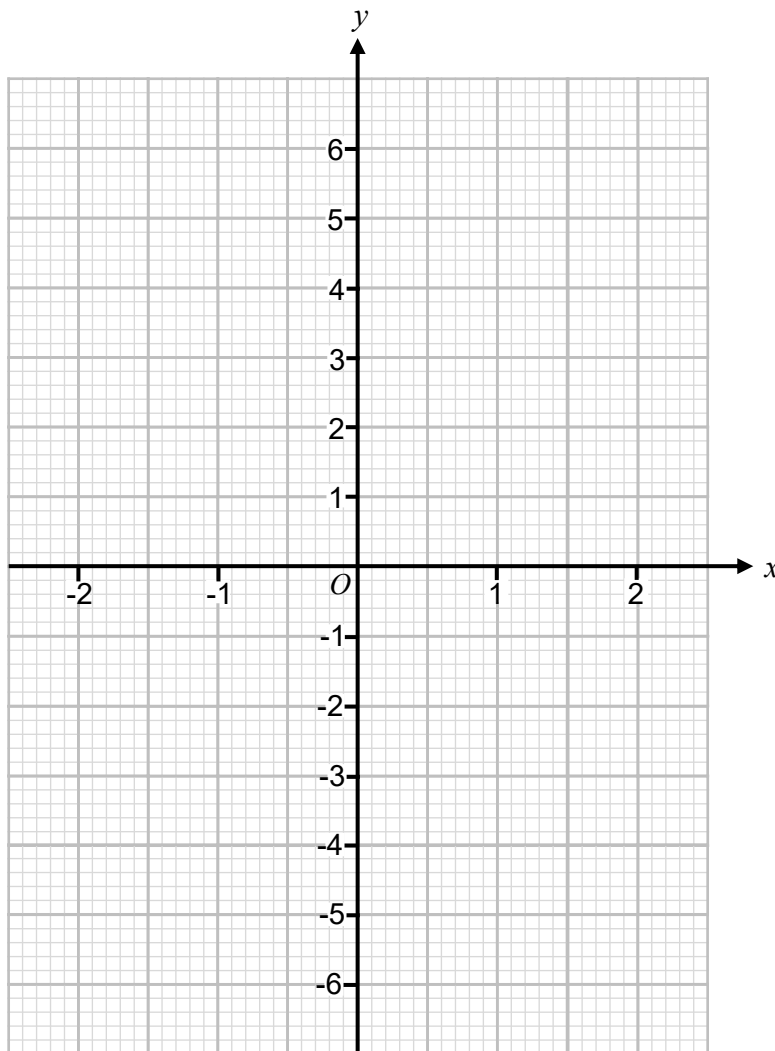
16 (a) Complete the table of values for $y = \frac{1}{2}x^3$

[2 marks]

x	-2	-1	0	1	2
y					

16 (b) Draw the graph $y = \frac{1}{2}x^3$ for values of x from -2 to 2

[2 marks]



8

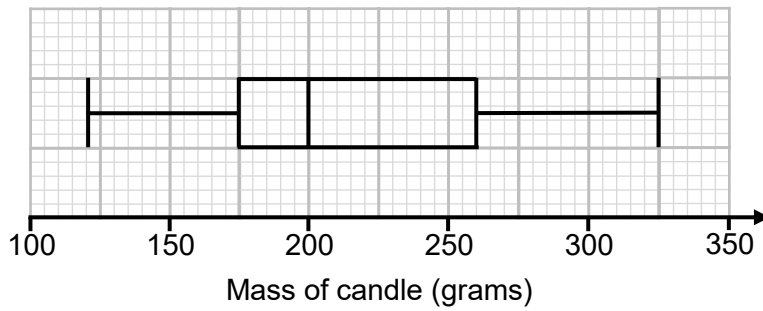
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17 The box plot below shows information about the masses of different candles made by a company.



17 (a) Work out the interquartile range of the masses of the candles. [2 marks]

Answer _____ g

17 (b) The density of the wax used to make the candles is 0.8 g/cm^3 . Work out the volume of the candle with the median mass. [3 marks]

Answer _____ cm^3





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18 $\frac{37}{300} = 0.12\dot{3}$

18 (a) Write $\frac{37}{3000}$ as a recurring decimal. [1 mark]

Answer _____

18 (b) Write $0.24\dot{6}$ as a fraction giving your answer in its simplest form. [2 marks]

Answer _____

Turn over ►





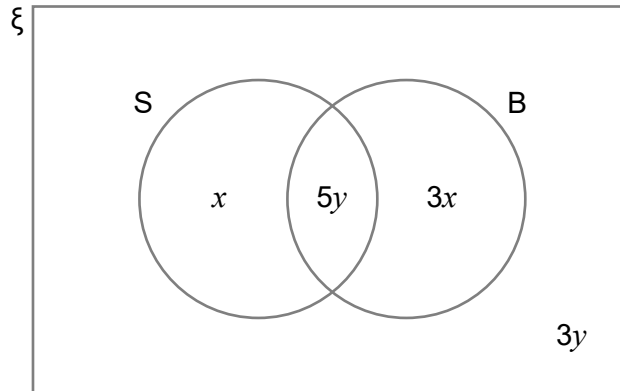
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19 The Venn diagram shows information about 100 children.

ξ = 100 children.

S = children who can swim.

B = children who can ride a bike.



67 of the children can ride a bike.

Work out the number of children that can swim.

[5 marks]

Answer _____





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20

Work out $\left(\frac{4}{9}\right)^{-\frac{1}{2}} \div 125^{\frac{2}{3}}$

Give your answer as a decimal.

[5 marks]

Answer _____

21

Solve $\frac{18}{x+5} + x = 6$

[4 marks]

Answer _____

14

Turn over ►

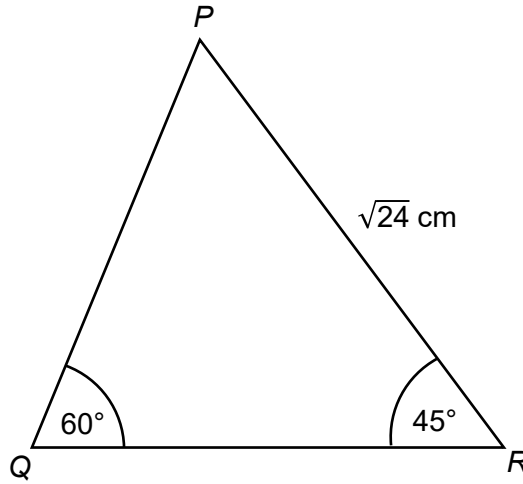




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23

PQR is a triangle.



Not drawn
accurately

Find the length PQ .
You must show your working.

[4 marks]

Answer _____ cm

$\frac{\quad}{8}$

Turn over ►



