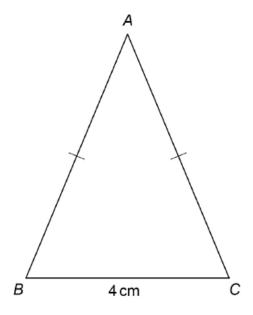
AQA – Mensuration and calculations – GCSE 2022 Mathematics

1. June/2022/Paper_8300/1F/No.4

In this isosceles triangle,

AB = AC



Not drawn accurately

The perimeter of the triangle is 22 cm

Work out the length of AB.

vvolk out the length of AB.	[3 marks]

Answer cm

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Z.	June	/2022	/Paper_	_8300	/ TL	/ NO.Z5

Here are two shapes, P and Q.

 $\frac{9}{4}$ of a circle, radius 20 cm

 $\frac{\mathbf{Q}}{3}$ of a circle, radius 15 cm



Not drawn accurately

How many times bigger is the area of P than the area of Q? You **must** show your working.

[4 marks]

Answer _____

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3. June/2022/Paper_8300/1F/No.27

A solid has volume $300\,\mathrm{cm}^3$ and density $2\,\mathrm{g/cm}^3$

Circle the mass of the solid.

[1 mark]

150 g

298 g

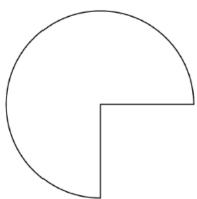
302g

600 g

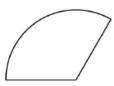
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Here are two shapes, P and Q.

 $\frac{9}{4}$ of a circle, radius 20 cm



 $\frac{1}{3}$ of a circle, radius 15 cm



Not drawn accurately

How many times bigger is the area of P than the area of Q? You **must** show your working.

rou muet enew yeur wenning.	[4 marks]

Answer _____

5.	June	/2022	/Paper_	8300	/1H	/No.15

The cross section of a prism has \boldsymbol{n} sides.

Circle the expression for the number of faces of the prism.

[1 mark]

n

2n

3n

n + 2