

Area

Introduce

- Q1 18 cm²
 Q2 16
-
- Q3 11 cm²
 Q4 506 cm²

Volume

Introduce

- Q1 584 cm³
 Q2 905 cm³
-
- Q3 1224 ml
 Q4a 1326 cm³
 Q4b 19.6 g/cm³

Angles

Introduce

- Q1 $\angle ACB = 84^\circ$ (alternate angles are equal)
 $\angle ABC = 84^\circ$ (base angles of isosceles triangles are equal)
 $84^\circ + 84^\circ + k = 180^\circ$ (angles in a triangle add up to 180°)
 $k = 12^\circ$
- Q2 165°
-
- Q3 103°
 Q4 36°

Pythagoras' theorem

Introduce

- Q1 3.4 cm
 Q2 8.7 cm
-
- Q3 32.8 cm
 Q4 6.4 cm

Trigonometry

Introduce

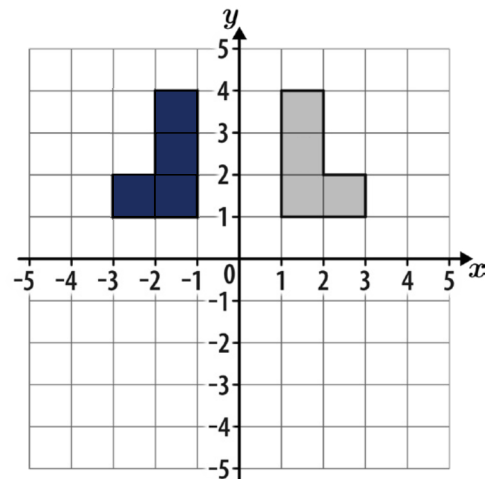
- Q1 3.57 cm
 Q2 42.3°
 Q3 3.8 cm
-
- Q4 7.8 mm
 Q5 61.9°
 Q6 71.2°

Transformations

Introduce

- Q1 Translation by $\begin{pmatrix} -8 \\ 5 \end{pmatrix}$

Q2



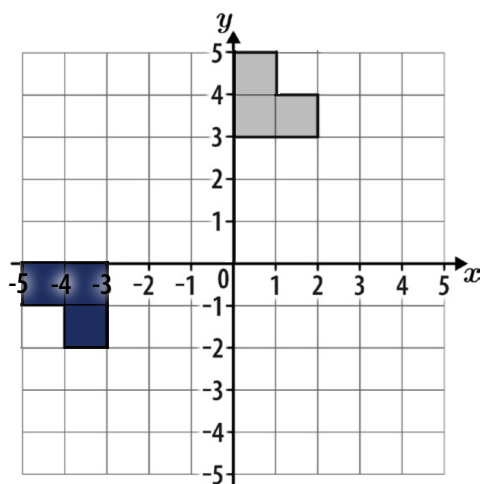
- Q3 Rotation 90° clockwise about (0, 0) or rotation 270° anticlockwise about (0, 0)
- Q4 Enlargement by scale factor 2 with centre (1, 1)

Mixed topics

Deepen

Q1 $\frac{3}{20}$

Q2



Q3 21.5%

Q4 4.8 cm

Q5 106°

Q6 15 seconds

Q7 8

Q8 4.3 m

Q9 48°

Q10 11.53 cm

Q11 31.9 m

Q12 $a = 5, b = -2$

Q13 22.9 cm

Q14 48°

Q15 71.55 mm

Q16 62 minutes