1. Complete the enlargement of the shaded shape with a scale factor of 3

(i) Complete the edge lengths.

(ii) Use the teacher's calculations

edge × scale factor = EDGE

to complete the enlarged shape.

$\ldots$ cm $\times\ 3\ =\ $ **3** cm

$\ldots$ cm $\times\ 3\ =\ $ **9** cm

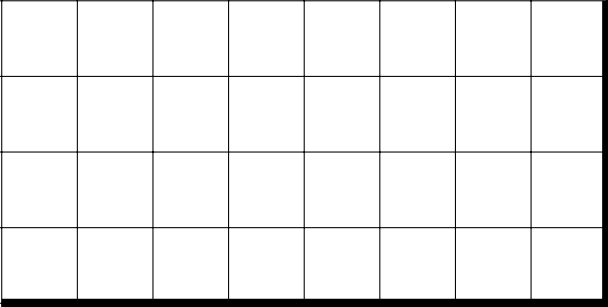2. Complete the enlargement of the shaded shape with a scale factor of 2

(i) Complete the edge lengths.

(ii) Use the teacher's calculations

edge × scale factor = EDGE

to complete the enlarged shape.

(. . . cm) × 2 = **6** cm

(. . . cm) × 2 = **6** cm

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3. Complete the enlargement of the shaded shape with a scale factor of 4

(i) Complete the edge lengths.

(ii) Use the teacher's calculations

edge × scale factor = EDGE

to complete the enlarged shape.

$\ldots$ cm $\times\ 4\ =\ $ **4** cm

$\ldots$ cm $\times\ 4\ =\ $ **8** cm

4. Complete the enlargement of the shaded shape with a scale factor of 2

(i) Complete the edge lengths.

(ii) Use the teacher's calculations

edge × scale factor = EDGE

to complete the enlarged shape.

$\dots$ cm $\times 2 = $ **4** cm

$\dots$ cm $\times 2 = $ **6** cm

Answers

1. Enlargement scale factor of 3

(i) Complete the edge lengths.

(ii) Use the teacher's calculations

edge × scale factor = EDGE

to complete the enlarged shape.

$1 \text{ cm} \times 3 = \mathbf{3} \text{ cm}$

$3 \text{ cm} \times 3 = \mathbf{9} \text{ cm}$

2. Enlargement scale factor of 2

(i) Complete the edge lengths.

(ii) Use the teacher's calculations

edge × scale factor = EDGE

to complete the enlarged shape.

$3 \text{ cm} \times 2 = \mathbf{6} \text{ cm}$

$3 \text{ cm} \times 2 = \mathbf{6} \text{ cm}$

3. Enlargement scale factor of 4

(i) Complete the edge lengths.

(ii) Use the teacher's calculations

    edge × scale factor = EDGE

  to complete the enlarged shape.

1 cm × 4 = **4** cm

2 cm × 4 = **8** cm

4. Enlargement scale factor of 2

(i) Complete the edge lengths.

(ii) Use the teacher's calculations

    edge × scale factor = EDGE

  to complete the enlarged shape.

2 cm × 2 = **4** cm

3 cm × 2 = **6** cm

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