New Maths GCSE: G16 - Areas of Simple Shapes

Name:..   Date:...

5cm

To work out the area of this square you do...

A 4×5 **B** 5×5

C 2×5 **D** Not enough information

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

4cm

To work out the area of this rectangle you do...

A 4×4 **B** 4×10

C $4 + 10 + 4 + 10$ **D** Not enough information

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

7cm

3cm

To work out the area of this rectangle you do...

A 3×7 **B** $3 + 7$

C $3 + 7 + 3 + 7$ **D** Not enough information

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

Question 1

8cm

4cm
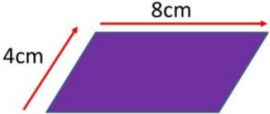
To work out the area of this parallelogram you do...

A. $4 + 8 + 4 + 8$

B. $\frac{4 \times 8}{2}$

C. 4×8

D. Not enough information

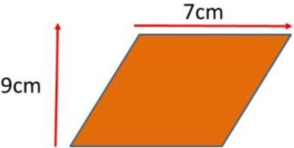Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

Question 2

7cm

9cm

To work out the area of this parallelogram you do...

A. $\frac{9 \times 7}{2}$

B. $9 + 7 + 9 + 7$

C. 9×7

D. Not enough information

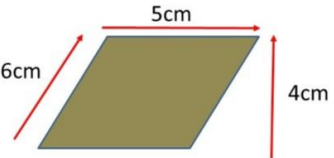Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

Question 3

5cm

6cm

4cm

To work out the area of this parallelogram you do...

A. $\frac{6 \times 5 \times 4}{2}$

B. $6 \times 5 \times 4$

C. 6×5

D. 5×4

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

Question 4

8cm

5cm
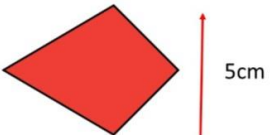
To work out the area of this kite you do...

A. $\frac{8 \times 5}{2}$

B. $\sqrt{8^2 + 5^2}$

C. 8×5

D. Not enough information

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

4cm

7cm
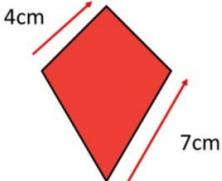
To work out the area of this kite you do...

A 7×4

B $\dfrac{7 \times 4}{2}$

C $\sqrt{7^2 + 4^2}$

D Not enough information

Correct Answer: A B C D

Explanation:

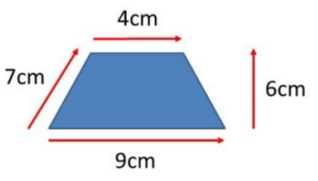...

....

....

....

....

....

4cm

7cm

6cm

9cm

To work out the area of this isosceles trapezium you do...

A $4 \times 6 \times 9 \times 7$

B $\left(\dfrac{4 \times 9}{2}\right) \times 6$

C $(9 + 4) \times 6$

D $\left(\dfrac{4 + 9}{2}\right) \times 6$

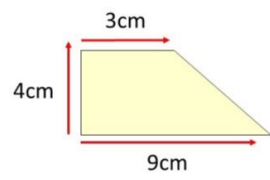Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

3cm

4cm

9cm

To work out the area of this trapezium you do...

A $\left(\dfrac{3 \times 9}{2}\right) \times 4$

B $3 \times 4 \times 9$

C $\left(\dfrac{3 + 9}{2}\right) \times 4$

D Not enough information
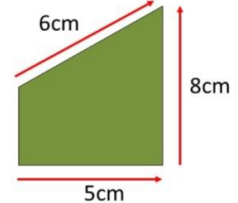
Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

6cm

8cm

5cm

To work out the area of this trapezium you do...

A $\left(\dfrac{6 + 5}{2}\right) \times 8$

B $6 \times 5 \times 8$

C $\left(\dfrac{8 + 3}{2}\right) \times 5$

D Not enough information

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

8cm ◥ **6cm**

7cm

To work out the area of this isosceles triangle you do...

A $\dfrac{6 \times 7}{2}$

B $6 \times 8 \times 7$

C $\dfrac{8 \times 7}{2}$

D 6×7

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

3cm **5cm**

4cm

To work out the area of this right-angled triangle you do...

A $\dfrac{4 \times 5}{2}$

B $\dfrac{3 \times 4 \times 5}{2}$

C $\dfrac{3 \times 4}{2}$

D $3 \times 4 \times 5$

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

8cm **3cm**

5cm

To work out the area of this scalene triangle you do...

A $\dfrac{3 \times 5}{2}$

B $\dfrac{3 \times 5 \times 8}{2}$

C $\dfrac{5 \times 8}{2}$

D None of the above

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....

5cm **6cm** **8cm**

10cm

To work out the area of this scalene triangle you do...

A $\dfrac{10 \times 5}{2}$

B $\dfrac{10 \times 6 \times 8}{2}$

C $\dfrac{10 \times 6}{2}$

D $\dfrac{10 \times 6 \times 8 \times 5}{2}$

Correct Answer: A B C D

Explanation:

....

....

....

....

....

....