Area

1 Sarah makes these figures with some square tiles.

A

B

C

The area of Figure B is 5 tiles. What is the area of Figure A and Figure C?
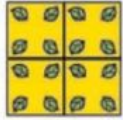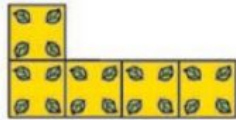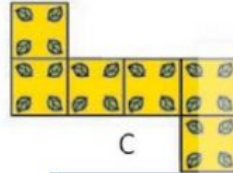
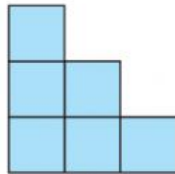[   ] Tiles   5 Tiles   [   ] Tiles

The **area** of each figure is the amount of surface covered by the tiles.
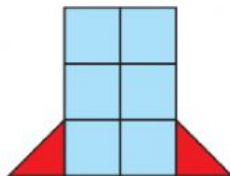
Look at the following figures.

A

B

Figure A is made up of squares [ ].
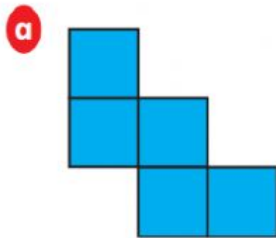
Figure B is made up of squares [ ]

and half squares ◣ .

◻ is 1 square unit.

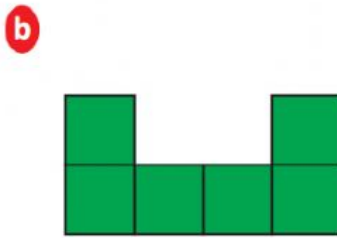◣ is $\frac{1}{2}$ square unit.

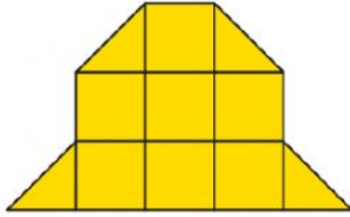◣ ◣ is equal to � (1 square unit).

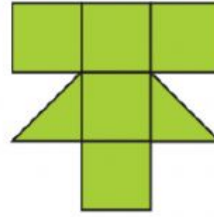Find the area of each figure.

a

A

Area = [   ] square units

b

B

Area = [   ] square units

c

C

Area = ☐ square units

d

D
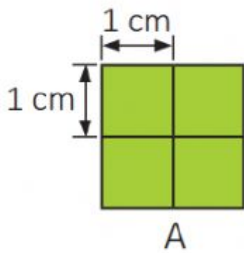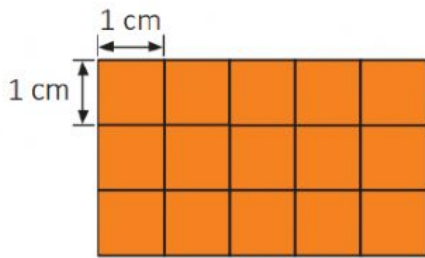
Area = ☐ square units

1 cm

1 cm

A

Figure **A** is **2-cm** square.
Each side of the square is **2 cm** long.
It is made up of **4** 1-cm square.
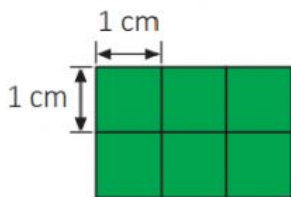So, the area of Figure A is **4 cm²**.

1 cm

1 cm

B

Figure **B** has **3 rows** of 1-cm square.
Each row has **5** 1-cm square.
It is made up of **15** 1-cm square.
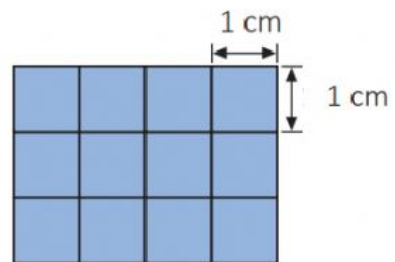So, the area of Figure B is **15 cm²**.
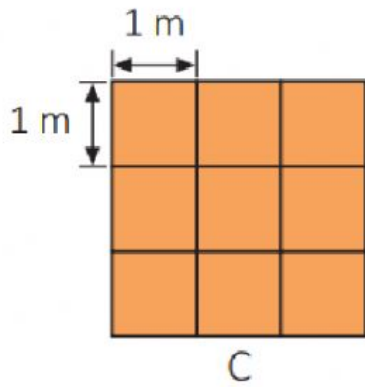
Find the area of each figure.

a

1 cm

1 cm

Area = ☐ cm²

b

1 cm

1 cm

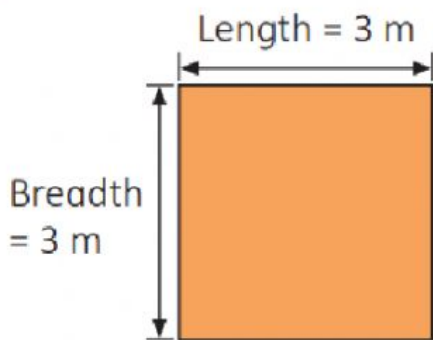Area = ☐ cm²

1 m

1 m

C

There are **3** rows of 1-m squares.

Each row has **3** 1-m squares.
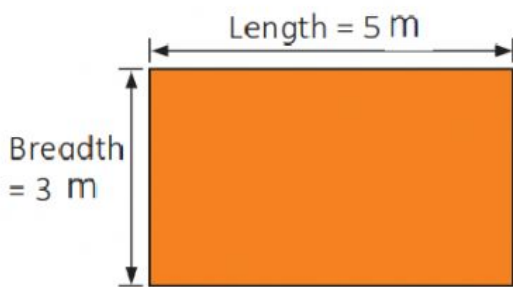
There are **9** 1-m squares covering Square C.

So, the area of Square C is **9** m².

Length = 3 m

Breadth = 3 m

Area of Square C = Length × Breadth

= **3** × **3**

= **9** m²

Length = 5 m

Breadth = 3 m

Area of rectangle = Length × Breadth

= ☐ × ☐

= ☐ m²

7 cm

3 cm

Area = Length × Breadth

= ☐ × ☐

= ☐ cm²

4 cm

4 cm

Area = Length × Breadth

= ☐ × ☐

= ☐ cm²