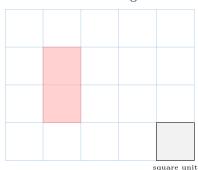
## A DEFINITION

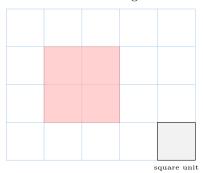
## A.1 FINDING AREA OF A SHAPE

Ex 1: What is the area of the red figure?



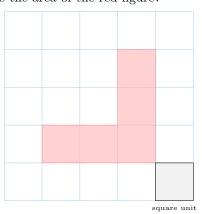
A = square units

Ex 2: What is the area of the red figure?



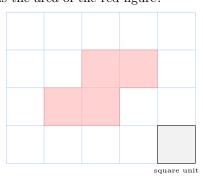
 $A = \boxed{\phantom{a}}$  square units

**Ex 3:** What is the area of the red figure?



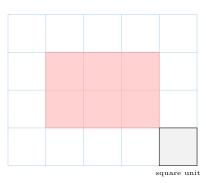
A = square units

**Ex 4:** What is the area of the red figure?

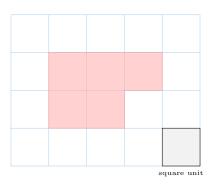


A = square units

Ex 5: What is the area of the red figure?



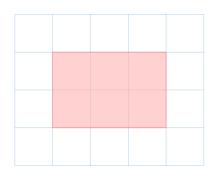
**Ex 6:** What is the area of the red figure?



 $A = \boxed{\phantom{a}}$  square units

## A.2 BUILDING FORMULAS

MCQ 7: What is the area of the red rectangle?



Choose the 4 correct answers:

 $\square$  2+2+2

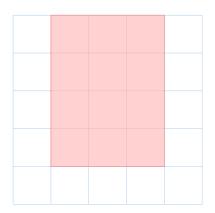
 $\Box$  3+3

 $\Box 3 + 2 + 3 + 2$ 

 $\square$  2 × 3

 $\square$  3 × 2

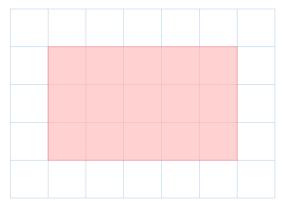
MCQ 8: What is the area of the red rectangle?



#### Choose 4 correct answers:

- $\Box 3 + 4 + 3 + 4$
- $\Box 4 + 4 + 4$
- $\Box 3 + 3 + 3 + 3$
- $\square \ 4\times 3$
- $\square$  3 × 4

MCQ 9: What is the area of the red rectangle?



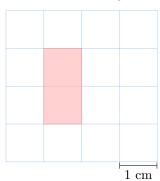
#### Choose the 4 correct answers:

- $\Box 3 + 3 + 3 + 3 + 3$
- $\Box 5 + 5 + 5$
- $\Box 5 + 3 + 5 + 3$
- $\square$  3 × 5
- $\square$  5 × 3

## **B UNITS OF AREA**

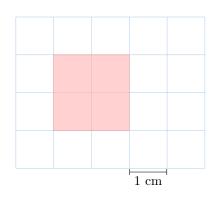
#### **B.1 FINDING AREA OF A SHAPE**

Ex 10: What is the area of the red figure?



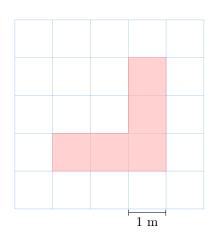


Ex 11: What is the area of the red figure?



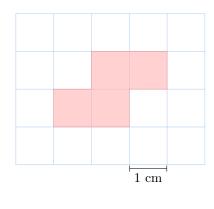
$\square$ cm <sup>2</sup>
$\square$ m <sup>2</sup>

Ex 12: What is the area of the red figure?



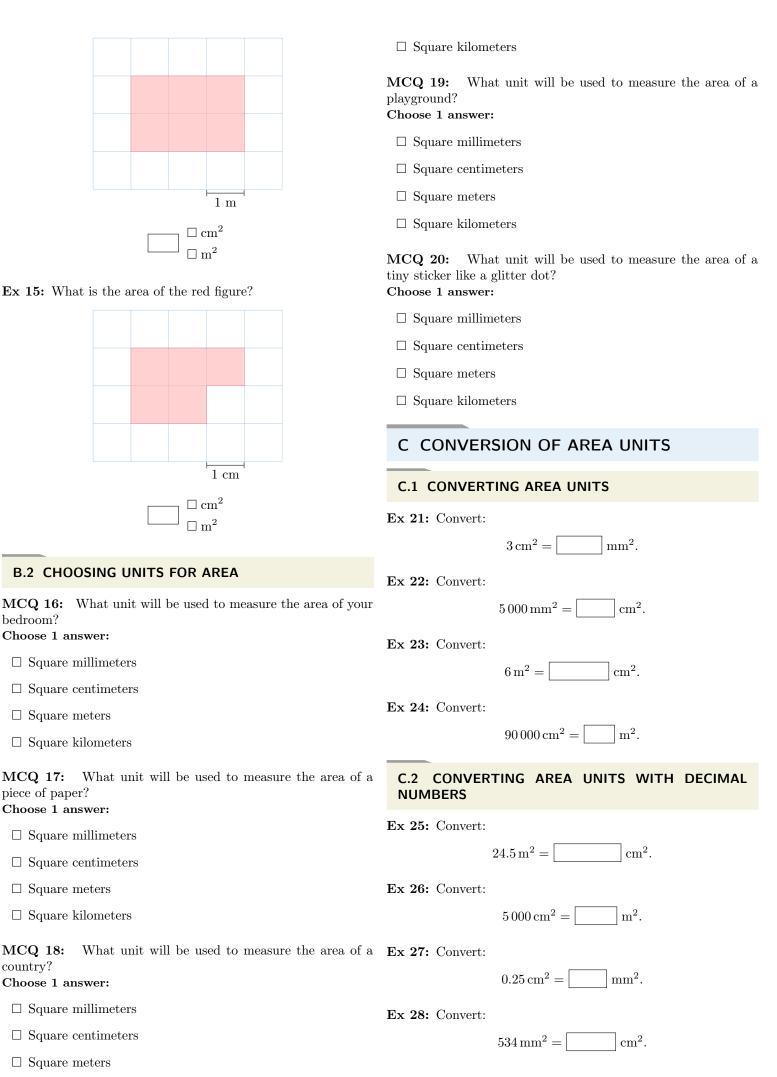
$\square \; cm^2$
$\square$ m <sup>2</sup>

**Ex 13:** What is the area of the red figure?





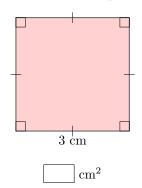
**Ex 14:** What is the area of the red figure?



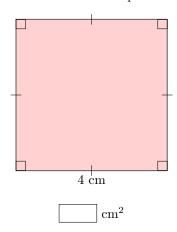
## D AREA OF A RECTANGLE OR A SQUARE

# D.1 FINDING AREAS OF SQUARES AND RECTANGLES

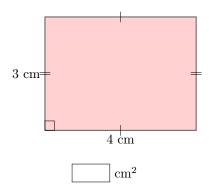
Ex 29: What is the area of the red square?



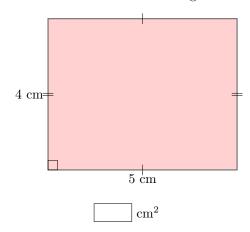
Ex 30: What is the area of the red square?



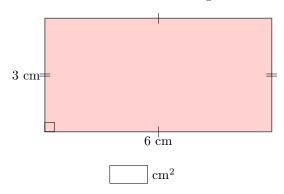
Ex 31: What is the area of the red rectangle?



Ex 32: What is the area of the red rectangle?



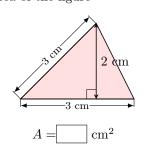
Ex 33: What is the area of the red rectangle?



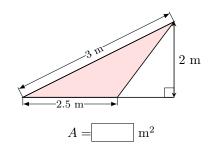
## E AREA OF A TRIANGLE

## **E.1 FINDING AREAS OF TRIANGLES**

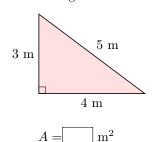
Ex 34: Find the area of the figure



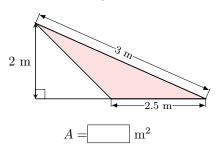
Ex 35: Find the area of the figure



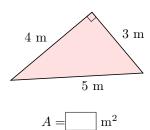
 $\mathbf{Ex}$  36: Find the area of the figure



Ex 37: Find the area of the figure



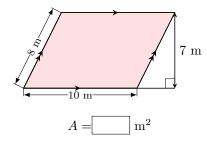
Ex 38: Find the area of the figure



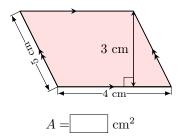
## F AREA OF A PARALLELOGRAM

#### F.1 FINDING AREAS OF PARALLELOGRAMS

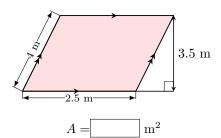
Ex 39: Find the area of the figure



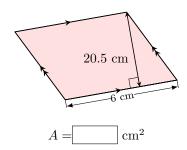
Ex 40: Find the area of the figure



Ex 41: Find the area of the figure.



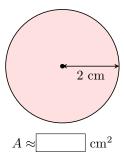
Ex 42: Find the area of the figure.



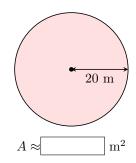
## **G AREA OF A CIRCLE**

#### **G.1 FINDING AREAS OF CIRCLES**

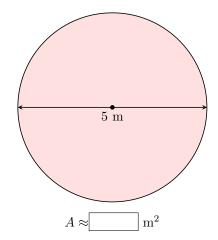
Ex 43: Find the area of the figure (round to 1 decimal place)



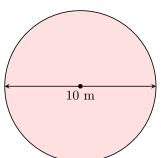
Ex 44: Find the area of the figure (round to 1 decimal place)



Ex 45: Find the area of the figure (round to 1 decimal place)



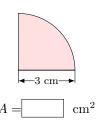
Ex 46: Find the area of the figure (round to 1 decimal place)



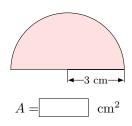
$A \approx$	2
$A \approx$	$  \mathrm{m}^{-}$

#### **G.2 FINDING AREA OF CIRCULAR SECTORS**

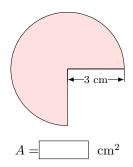
Ex 47: Find the area of the quarter circle: (Round to 1 decimal place)



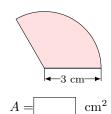
Ex 48: Find the area of the half circle: (Round to 1 decimal place)



Ex 49: Find the area of the three-quarter circle: (Round to 1 decimal place)



Ex 50: Find the area of the one-third circle: (Round to 1 decimal place)



#### H AREA FORMULAS

#### **H.1 SOLVING PROBLEMS**

Ex 51: A rectangular terrace is 8 m long and 5 m wide. The tiling costs 20 dollars per square meter. What is the area of the terrace?

 $\mathrm{m}^2$ 

What is the cost to tile the terrace?

dollars

Ex 52: A triangular garden has a base of 12 m and a height of 8 m. The cost to plant grass is 5 dollars per square meter. What is the area of the garden?

 $m^2$ 

What is the cost to plant grass in the garden?

dollars

Ex 53: A rectangular wall is 8 m long and 5 m high. The cost to paint the wall is 20 dollars per square meter.

What is the area of the wall?

 $m^2$ 

What is the cost to paint the wall?

dollars

Ex 54: A triangular roof has a base of 10 m and a height of 6 m. The cost to cover the roof with wood is 15 dollars per square meter.

What is the area of the roof?

 $\mathrm{m}^2$ 

What is the cost to cover the roof with wood?

dollars

Ex 55: A circular garden has a radius of 4 m. The cost to plant flowers is 10 dollars per square meter.

What is the area of the garden? (Round to the nearest integer)

 $m^2$ 

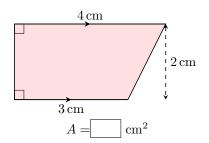
What is the cost to plant flowers in the garden? (Round to the nearest tenth)

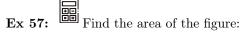
dollars

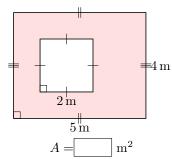
#### I AREA OF COMPOSITE FIGURES

#### I.1 FINDING AREAS OF COMPOSITE FIGURES

Ex 56: Find the area of the figure:





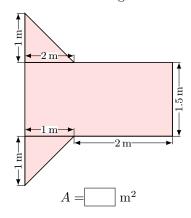


 $2.5\,\mathrm{cm}$ 

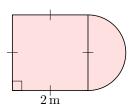
 $2.5\,\mathrm{cm}$ 

 ${\rm cm}^2$ 

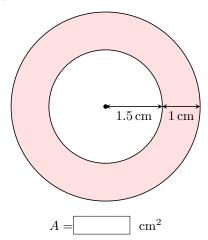
Ex 58: Find the area of the figure:



Ex 59: Calculate the area of the figure:



Ex 60: Calculate the area of the figure: (Round to 2 decimal places)



Ex 61: Calculate the area of the figure: (Round to 2 decimal places)