



Printable Assessments CAMI Maths: Grade 8

Area and perimeter

1. Convert the following units.

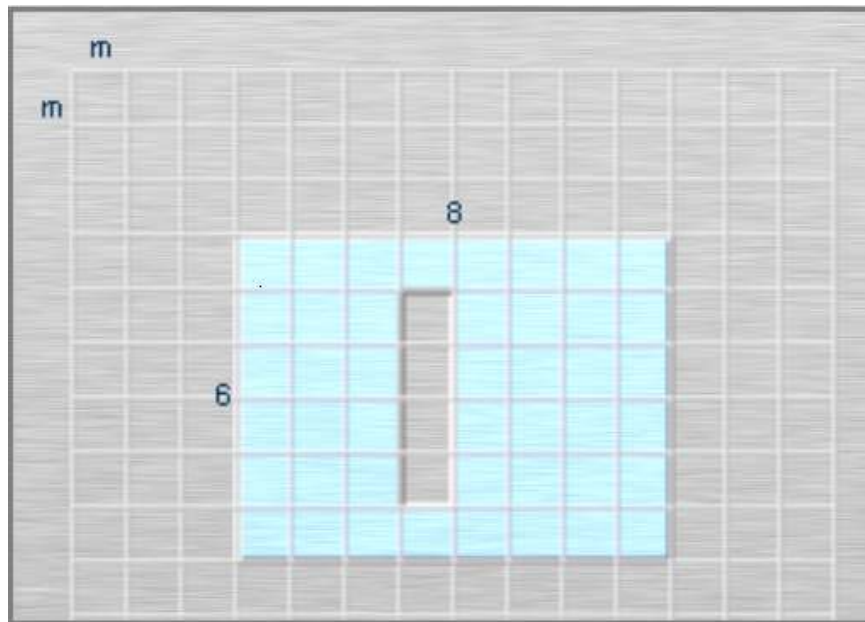
1.1 $40,81 \text{ m}^2 = \dots\dots\dots\text{cm}^2$

1.2 $483\,400 \text{ cm}^2 = \dots\dots\dots\text{m}^2$

1.3 $2\,416 \text{ mm}^2 = \dots\dots\dots \text{cm}^2$

2. Calculate the area of the coloured area?

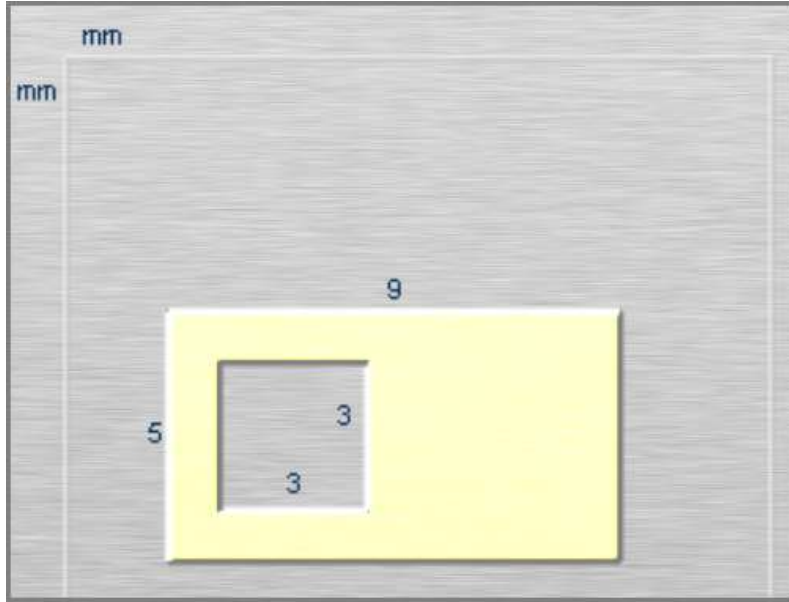
2.1 (in cm^2)



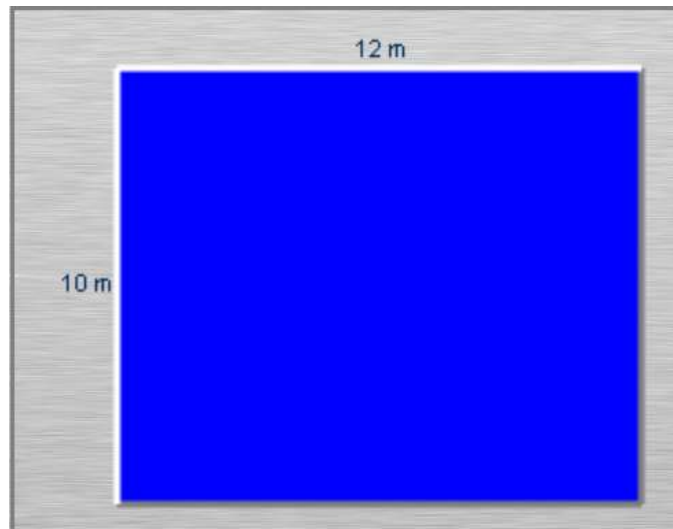


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2.2 (in mm^2)



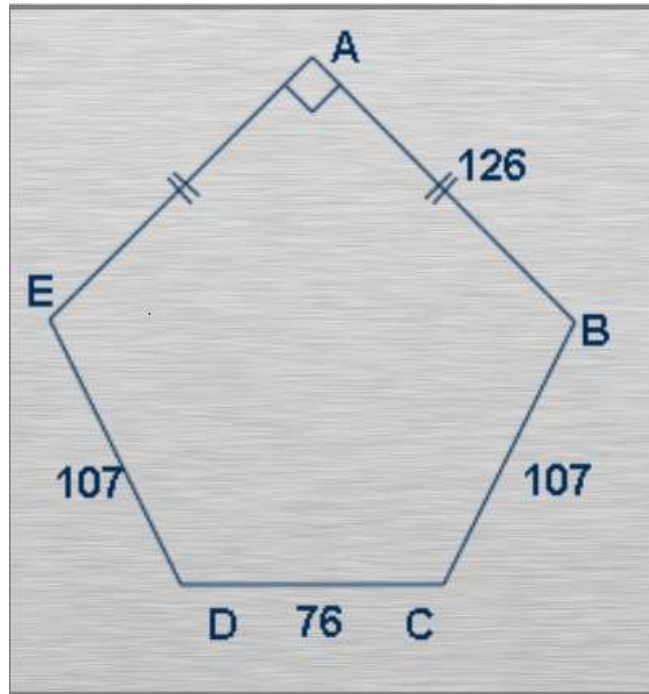
2.3 (in cm^2)



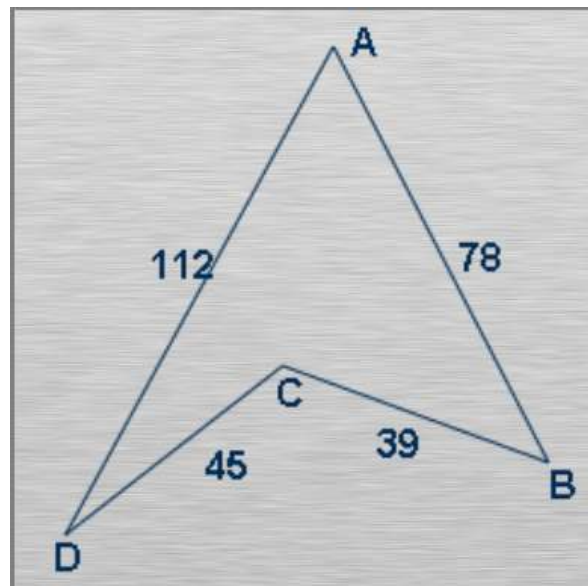


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3. Calculate the perimeter of the given shape.
3.1



- 3.2





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MEMO

1. Conversions [9.1.3.8]

1.1 $40,81 \text{ m}^2 = 408\,100 \text{ cm}^2$

1.2 $483\,400 \text{ cm}^2 = 48,34 \text{ m}^2$

1.3 $2\,416 \text{ mm}^2 = 24,16 \text{ cm}^2$

2. Area of the coloured area. [9.3.2.7 ; 9.3.3.2 ; 9.3.3.4]

2.1 $1 \text{ m} = 100 \text{ cm}$

Area = $(600\text{cm} \times 800 \text{ cm}) - (400 \text{ cm} - 100 \text{ cm})$
 $= 440\,000 \text{ cm}^2$

2.2 Area = $(5 \text{ mm} \times 9 \text{ mm}) - (3 \text{ mm} \times 3 \text{ mm})$
 $= 45 \text{ mm} - 9 \text{ mm}$
 $= 36 \text{ mm}^2$

2.3 Area = length \times width
 $= 1\,000 \text{ cm} \times 1\,200 \text{ cm}$
 $= 1\,200\,000 \text{ cm}^2$

3. Perimeter. [9.3.3.5]

3.1 Perimeter = $2AB + 2BC + DC$
 $= 2(126) + 2(107) + 46$
 $= 542 \text{ units}$

32 Perimeter = $AD + AB + BC + CD$
 $= 112 + 78 + 39 + 45$
 $= 274 \text{ units}$