

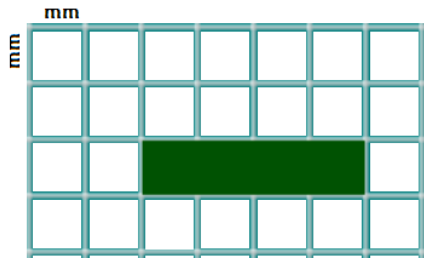


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Perimeter, volume and area

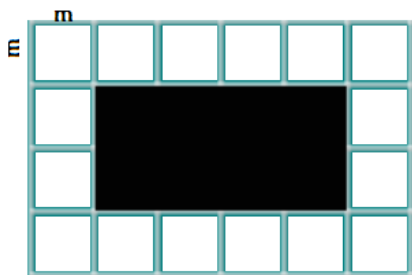
1. Calculate the perimeter of the given shape.

(a)



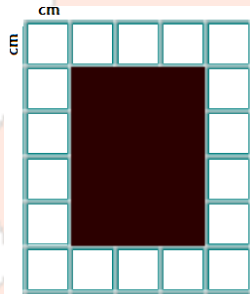
Perimeter = mm

(b)



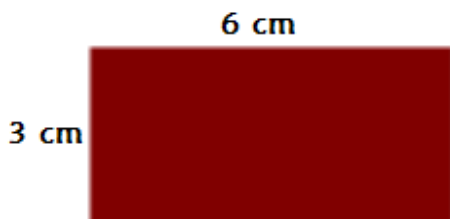
Perimeter =m

(c)



Perimeter = mm

(d)



Perimeter = cm

2. Calculate the area of the given shapes.



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(a)



6 mm

Area =mm²

(b)



5 m

9 m

Area =m²

3. Volume of the given objects.

(a) What is the volume of the stack?



..... cubic blocks

(b) What is the volume of the stack?



..... cubic blocks

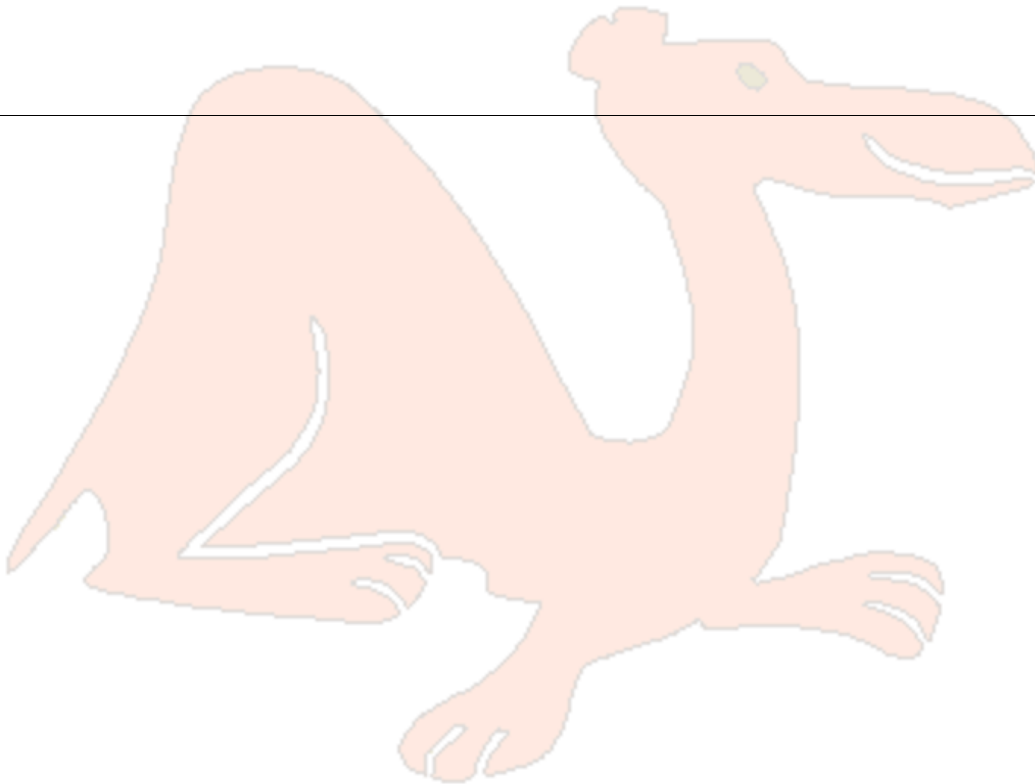


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- (c) Calculate how many more cubic units are required to fill the box.



..... cubic blocks





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MEMO

1. Perimeter [AppNum82C ; AppNum84A ; AppNum84B]

(a) Perimeter = $2 \times (4 \text{ mm} + 1 \text{ mm})$
= $2 \times (5 \text{ mm})$
= 10 mm

(b) Perimeter = $2 \times (4 \text{ m} + 2 \text{ m})$
= $2 \times (6 \text{ m})$
= 12 mm

(c) Perimeter = $2 \times (4 \text{ cm} + 3 \text{ cm})$
= $2 \times (40 \text{ mm} + 30 \text{ mm})$
= 140 mm

(d) Perimeter = $2 \times (6 \text{ cm} + 3 \text{ cm})$
= $2 \times (9 \text{ cm})$
= 18 cm

2. Area [9.3.2.5]

(a) Area = length \times width
= $6 \text{ mm} \times 6 \text{ mm}$
= 36 mm^2

(b) Area = length \times width
= $9 \text{ m} \times 5 \text{ m}$
= 45 m^2

3. Volume [9.5.1.3]

- (a) 6 cubic blocks
- (b) 10 cubic blocks
- (c) 3 cubic blocks

