

# National 3 - Revision for Shape, Space & Measures

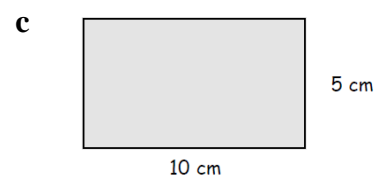
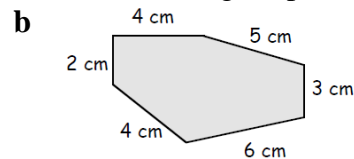
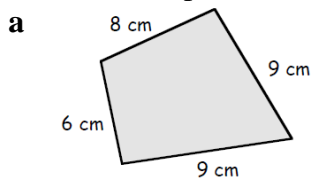
\*\*You may use a calculator\*\*

## Time

- Convert the following times to 24 hour time :-  
a 6.50 am                      b 8.15 pm                      c 10.30 pm
- Convert the following times to 12 hour time :-  
a 1425                              b 0840                              c 2345
- Bob got on a train at 8.15am and arrived at 11.05am.  
How long did the journey take?
- An aeroplane took off at 1142 and arrived at 1837.  
How long was the flight?

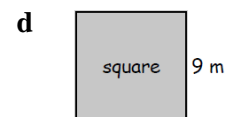
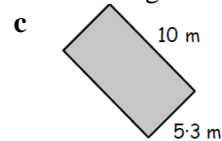
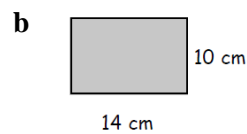
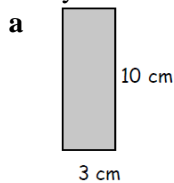
## Perimeter

- Calculate the perimeter of each of the following shapes :-



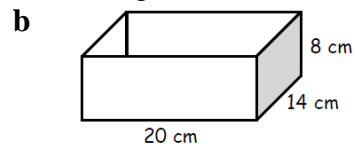
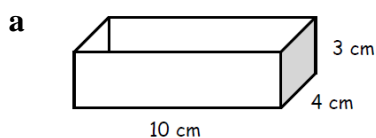
## Area

- Use your formula to calculate the areas of each of the following :-



## Volume

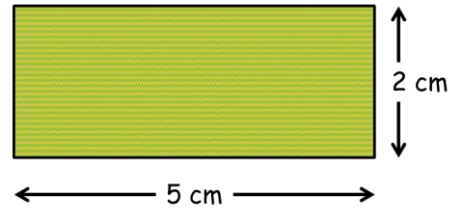
- Use the formula to calculate the volume of the following cuboids :-



## Scale

8. A field has been drawn using a scale of  $1 \text{ cm} = 7 \text{ m}$ .

The diagram is shown.

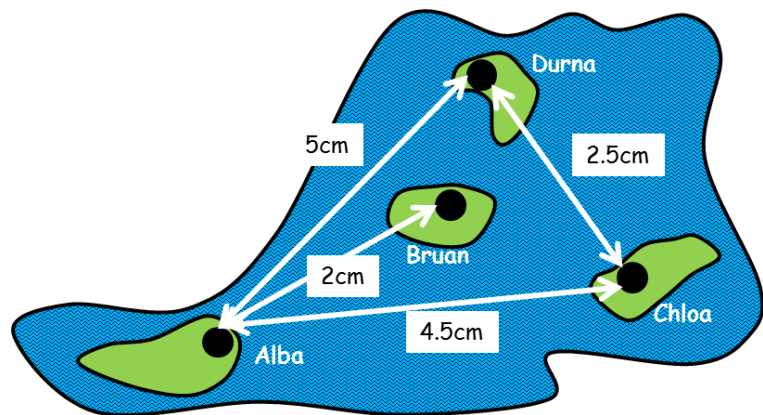


- Calculate the real length of the field.
- Calculate the real width of the width.

9. The map shows a group of islands drawn using a scale of  $1 \text{ cm} = 10 \text{ km}$ .

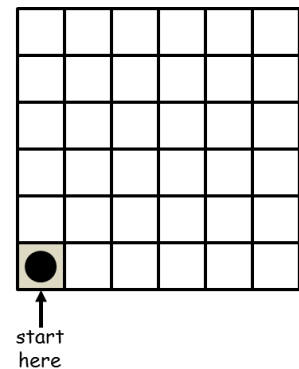
Calculate the distance from :-

- Alba to Bruan
- Durna to Chloa
- Durna to Alba
- Chloa to Alba



10. Draw the path through the maze following these instructions :-

Go North 4 boxes  
Go East 2 boxes  
Go South 3 boxes  
Go East 3 boxes  
Go North 2 boxes  
Go West 1 box  
Go North 2 boxes and then step out of the maze

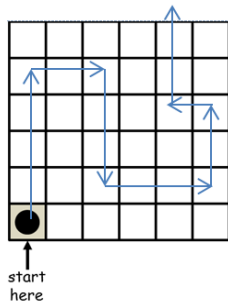




## Scale

8. a 35 m  
b 14 m.
9. a 20 km  
b 25 km  
c 50 km  
d 45 km

10.



## Sequences

1. 16, 24, 32, 40, 48
2. 12, 18, 24, 30, 36
3. 10, 15, 20, 25, 30