



# FUNCTIONAL SKILLS MATHEMATICS

AQA | Edexcel | City & Guilds | Open Awards | NCFE | Highfield

Level 2

## Perimeter

### Materials

- You **cannot** use a calculator for **questions** with this symbol.



### Instructions

- Answer **all** questions.
- Answer questions on separate paper.

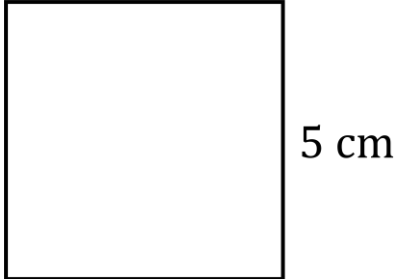
### Information and Advice

- The marks for each question are shown in brackets – use this as a guide on how long to spend on each question.
- Read each question carefully before you answer it.
- Check you answers.



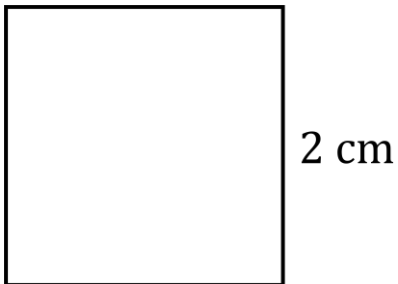
**Q1** Find the perimeter of these squares.

**1(a)**



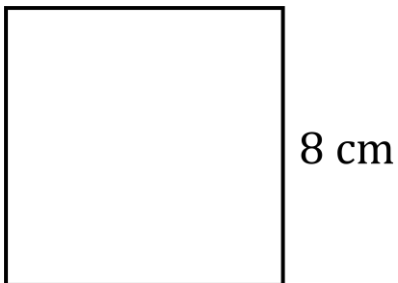
[2 marks]

**1(b)**



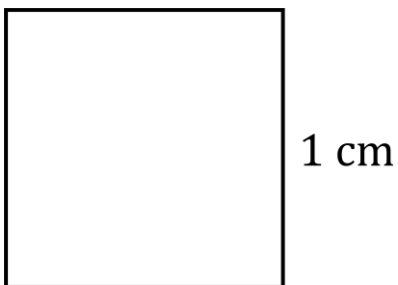
[2 marks]

**1(c)**



[2 marks]

**1(d)**



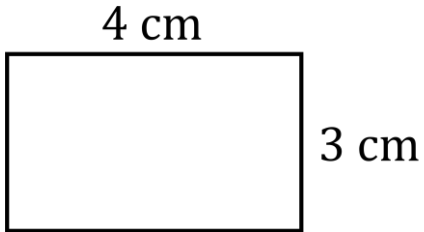
[2 marks]

Turn over ►



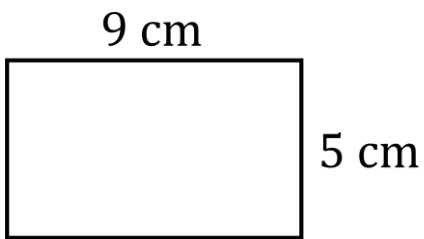
Q2 Find the perimeter of these rectangles.

2(a)



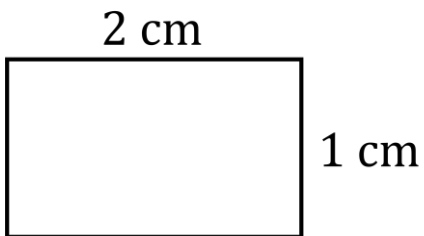
[2 marks]

2(b)



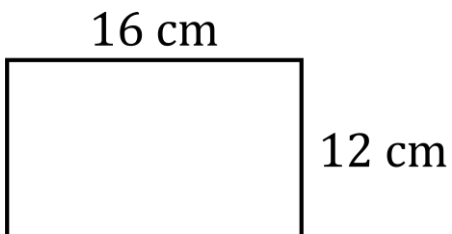
[2 marks]

2(c)



[2 marks]

2(d)

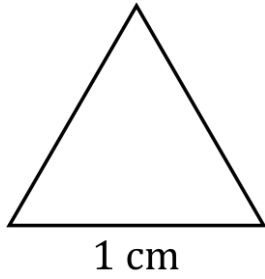


[2 marks]



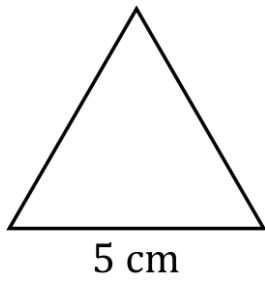
**Q3** Find the perimeter of these equilateral triangles.

**3(a)**



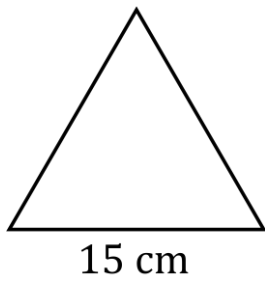
[2 marks]

**3(b)**



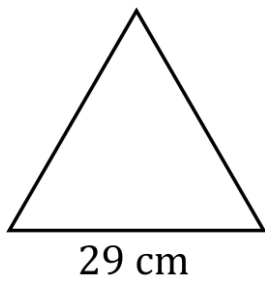
[2 marks]

**3(c)**



[2 marks]

**3(d)**

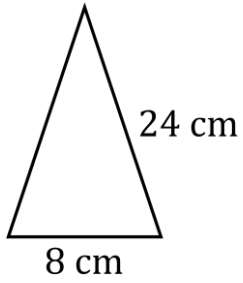


[2 marks]



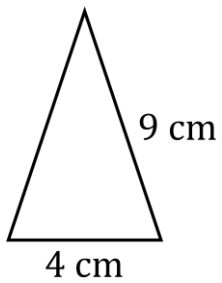
Q4 Find the perimeter of these isosceles triangles.

4(a)



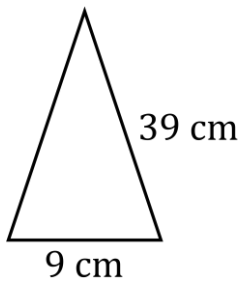
[2 marks]

4(b)



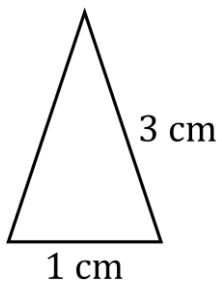
[2 marks]

4(c)



[2 marks]

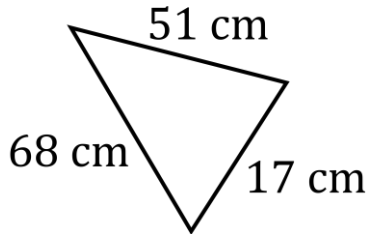
4(d)



[2 marks]

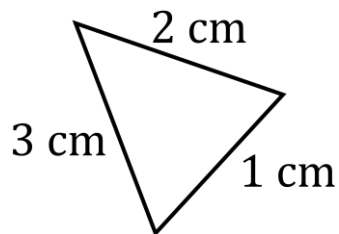
**Q5** Find the perimeter of these scalene triangles.

**5(a)**



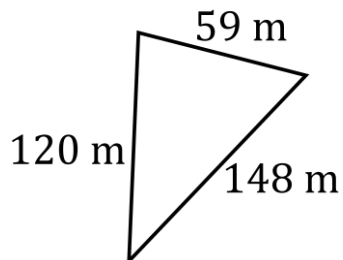
[2 marks]

**5(b)**



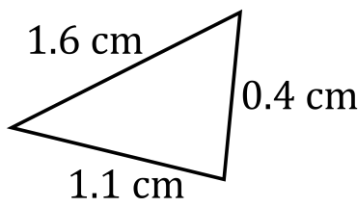
[2 marks]

**5(c)**



[2 marks]

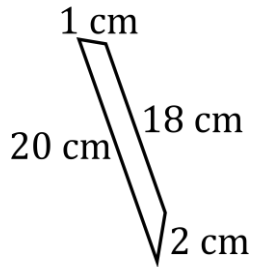
**5(d)**



[2 marks]

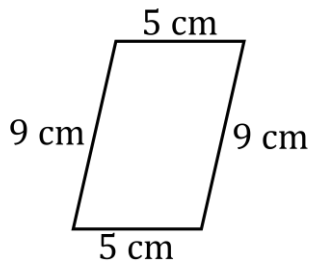
**Q6** Find the perimeter of these quadrilaterals.

**6(a)**



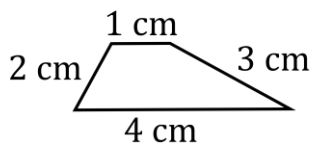
[2 marks]

**6(b)**



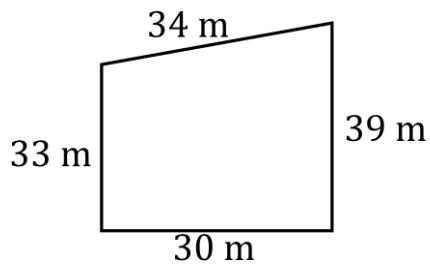
[2 marks]

**6(c)**



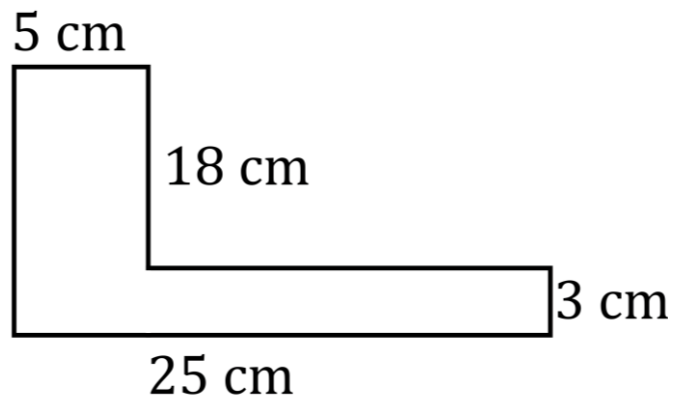
[2 marks]

**6(d)**



[2 marks]

**Q7** Below is a compound shape made of two rectangles.



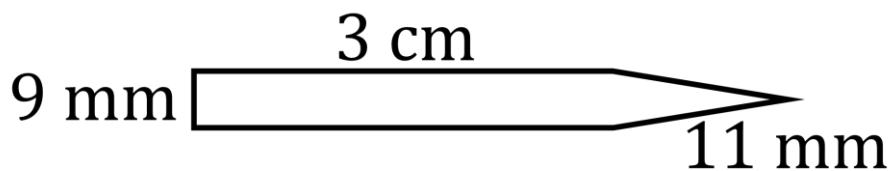
**7(a)** Show two ways of splitting this shape into two rectangles.

[1 mark]

**7(b)** Find the perimeter of the shape.

[3 marks]

**Q8** Below is a compound shape made of a rectangle and an isosceles triangle.



**8(a)** Convert all of the given measurements to cm or mm.

[1 mark]

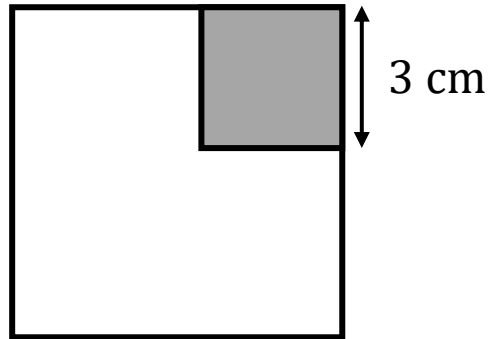
**8(b)** Find the perimeter of the shape.

[3 marks]



**Q9**

The perimeter of the large square below is 28 cm. The shaded square, of width 3 cm, has been removed from the shape.

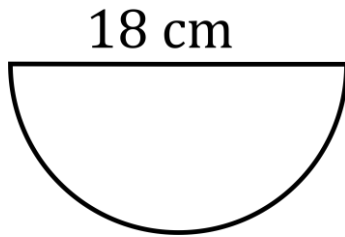


What is the perimeter of the remaining shape?

**[3 marks]**

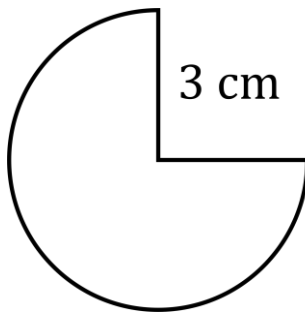
**Q10** Find the perimeter of these fractions of circles.  
Use  $\pi = 3.14$

10(a)



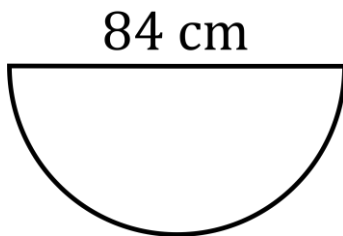
[3 marks]

10(b)



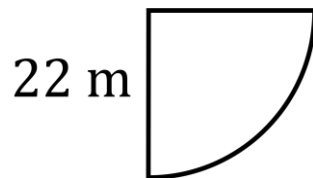
[3 marks]

10(c)



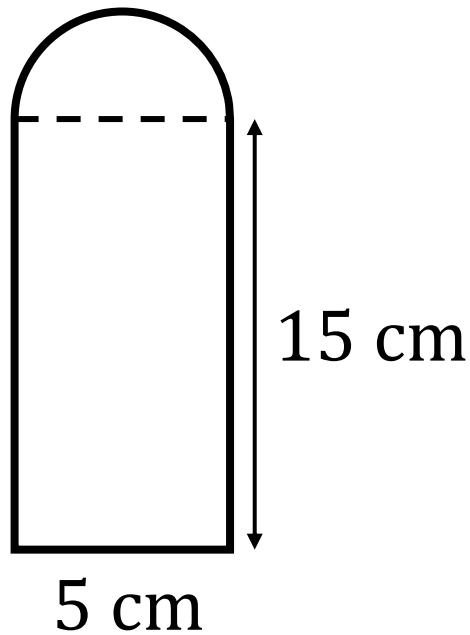
[3 marks]

10(d)



[3 marks]

**Q11** Below is a compound shape with a rectangular base, and a semi-circular top.



**11(a)** Find the perimeter of the rectangle that forms the base of this shape.

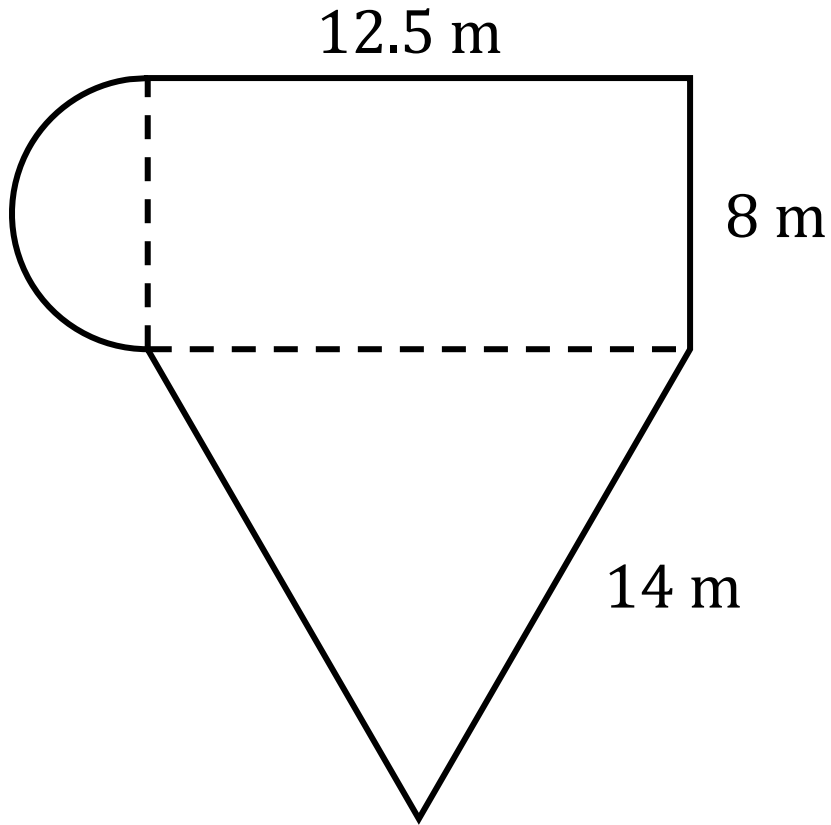
**[2 marks]**

**11(b)** Find the perimeter of the entire shape.  
Use  $\pi = 3.14$

**[3 marks]**

**Q12**

Below is a compound shape built from a rectangle, a semi-circle and an isosceles triangle.



Find the perimeter of the entire shape.  
Use  $\pi = 3.14$

[3 marks]