**Class 5 – Homework – Lindisfarne – 6.2.23**

**Q1.**

These two shapes have the **same** perimeter.

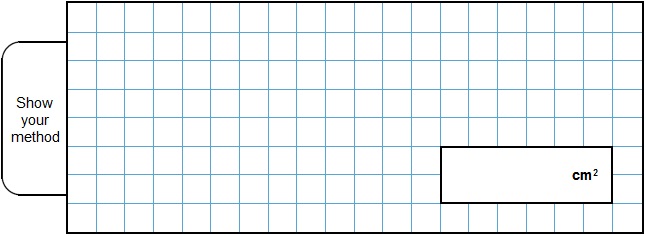
     regular hexagon           square



**Not actual size**

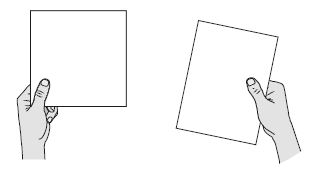
The length of each side of the **hexagon** is **8** centimetres.

Calculate the **area** of the **square**.



2 marks

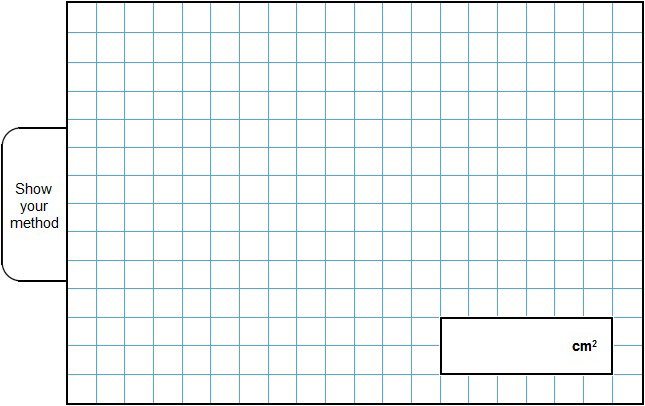
**Q2.**



A square tile measures 20 cm by 20 cm.

A rectangular tile is 3 cm **longer** and 2 cm **narrower** than the square tile.

What is the **difference in area** between the two tiles?



3 marks

**Q3.**

Draw a rectangle on the grid that has **half** the area of the shaded triangle.

Use a ruler.

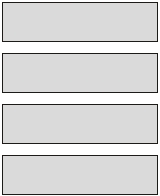


**Q4.**

The **area** of this square is 36 cm2.



The square is cut into quarters to create 4 identical rectangles.



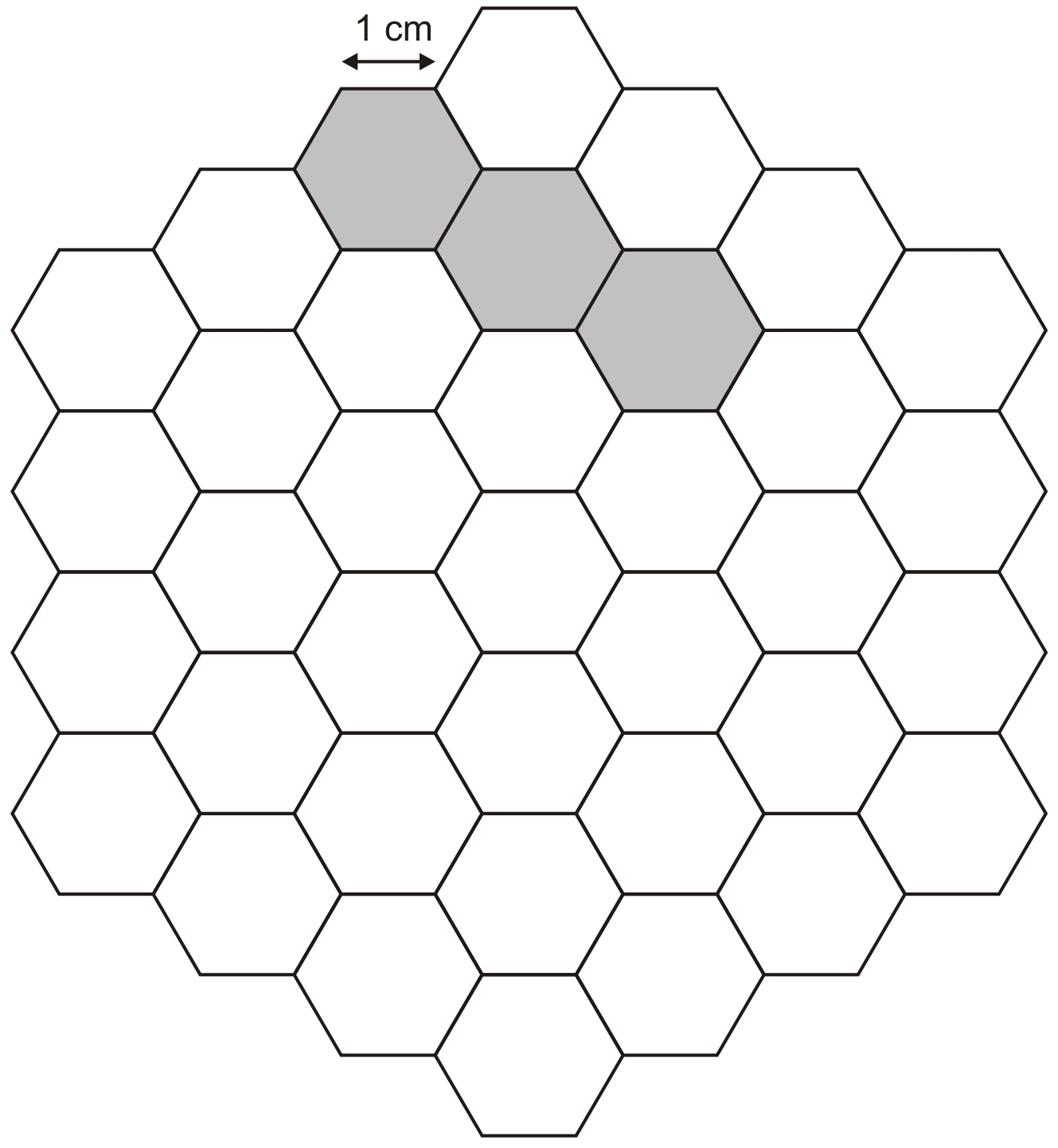
What is the **perimeter** of **one** of the small rectangles?

**Q5.**

Here is a grid of regular hexagons.

The shaded shape has an area of 3 hexagons and a perimeter of 14 cm.

Draw another shape on the grid which has an **area** of 4 hexagons and a **perimeter** of 14 cm.



1 mark