Monday 5th February 2024 Homework – Alnwick

**Q1.**

Here is a square made from 4 smaller squares.

The area of the large square is **64cm2**.



What is the length of 1 side of each small square?



2 marks

**Q2.**

Lois has started drawing a shape on this squared-centimetre grid.

Complete her shape so that it has an area of **14cm2**.



1 mark

**Q3.**

Grace has a rectangle that has sides of 4 cm and 5 cm.

Draw a different rectangle that has the same area.



1 mark

**Q4.**

Calculate the area of this triangle.





1 mark

**Q5.**

What is the **perimeter** of a square with an area of 64 cm2?



1 mark

Now give an example of another rectangle with an area of 64 cm2 but a different perimeter.





1 mark

**Q6.**

The diagram shows some shapes on a centimetre square grid.



Which two shapes have the same **area** as shape A?



1 mark

Which two shapes have the same **perimeter** as shape A?



1 mark

**Q7.**

Here is a map of an island.



Estimate the area of the **Wood**.



1 mark

A boat can safely carry 145 kilograms.





Work out if the boat can **safely** carry Mary **and** Bob.

You **must** show your working.

1 mark

**Q8.**

Here is a flag.



Calculate the **area** of the **shaded cross**.



2 marks