7. Cedric had to go to 8 services in the **Abbey Church** every day – starting at 2 o'clock in the morning.

He measured the empty grave –

length _____ cms / width _____ cms

He thought about the floor tiles.
If 1 monk took 1 hour to lay 10 tiles how many tiles would 5 monks be able to lay in 2 hours?

Cedric looked at the different patterns of tiles. How many different patterns can you see? _____
Draw a different pattern in each box.

Cedric's Maths Trail
Year 2

Name ....

Cedric, a monk at Fountains Abbey, has to do some maths at the Abbey for the Abbot. Walk down to the Abbey with Cedric and see if you can help him.

1. He looked at the long building in front of him. He had to count all the windows.

How many upstairs windows?

How many downstairs windows?

How many altogether?

Cedric looked at the 2 different window shapes in the Cellarium downstairs. **Draw each window shape.**

2. Cedric looked at the pillars in the **Cellarium**. With a partner, measure the distance between 2 of the pillars.

First measure in strides _____ **strides**

Then use your tape measure _____ **metres**

3. Cedric had to measure the **Cloister**, so he counted the number of strides he took to walk around it. **Start at one entrance and walk round once.**

_____ **strides.**

In the middle of the cloister is a big stone trough. **What shape is it?**

4. In the **Chapter House** where they had their meetings, Cedric counted the pillars ____

How many do you think there were in Cedric's time?

Look on the wall above the seats for masons' marks. **Draw 2 marks.**

5. Cedric had to work out the size of the **Refectory** where they ate their meals. **Estimate the**

length ____ metres

width ____ metres

With a partner measure the room (to the nearest metre).

length _____ metres

width _____ metres

What shape is the Refectory?

6. In the **Warming House** Cedric had to measure the room and the big fireplace – work with a partner and a tape measure.

The room-length ____ **metres / width** ____ **metres**

The fireplace (measure along the wood) ___ **metres**

He looked at the stones above the fireplace. They are called 'joggle stones' and fit together like jigsaw puzzle pieces.

Find the other fireplace.
Is the number of 'joggle stones'
the same? **Yes / No**

Draw the joggle stones below.