CMC CATHEDRAL MATHS CHALLENGE

Name: _____

Year: _____

Put your entry in the CMC box by the end of school on:
Tuesday 12th March

EYFS (Nursery and Reception)

Doubling Fun!

1) Start with the number 1.
2) Double it.
3) Double it again.
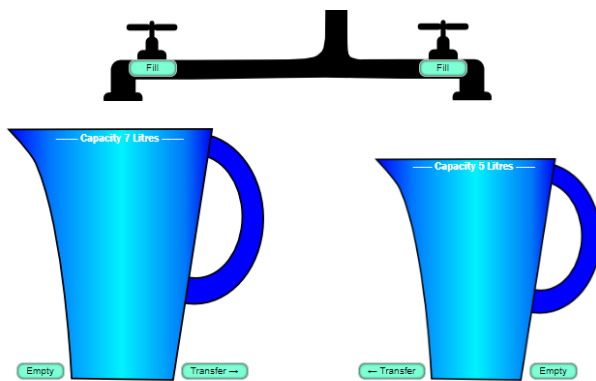4) Double it again.
5) What's your answer?

Challenge:

Start with 2 and repeat instructions 2-5. What's your second answer?

KS1 (Year 1 & 2)

Copy and complete this multiplication grid.

LKS2 (Year 3 & 4)

You have two jugs. One holds seven litres and the other holds five litres. Neither jug has any markings so the only amount you can measure accurately is when a jug is full.

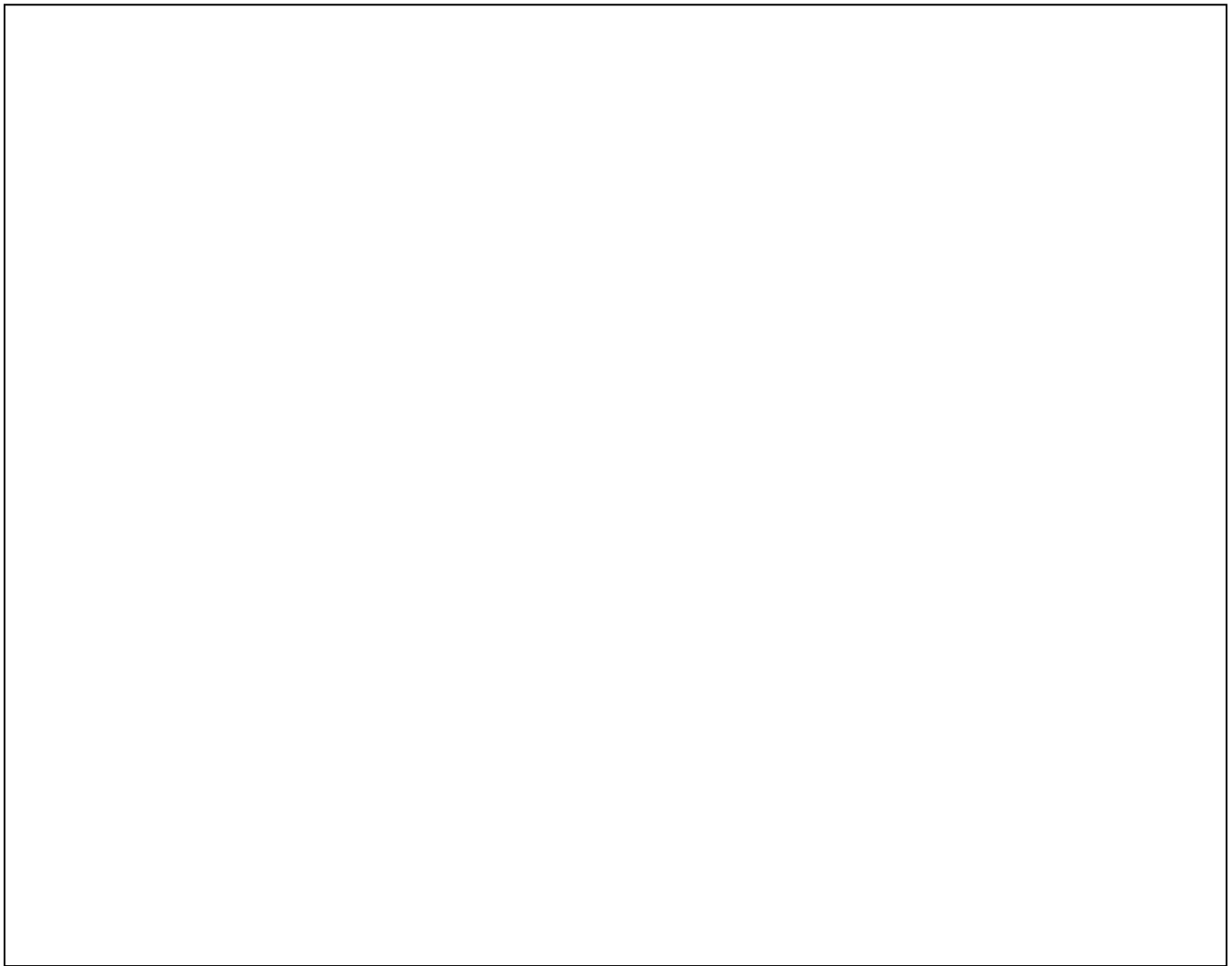How can you measure out exactly four litres?

UKS2 (Year 5 & 6)

The factors of six are 1, 2 and 3 (not including six itself)

Add up these factors and you will get six:

1+2+3 = 6

Six is a perfect number as it is the sum of its factors. Can you find any other perfect numbers?

Remember you can work the challenge out any way you would like to: draw pictures, use materials like buttons as counters, count in your head… Just make sure you show this on your solution paper!

Working out space:
Now explain how you solved the problem!