Troposphere

Section One

Section Two

Times tables

Literacy

Fluency

Reflect

Key skills

Problem solving

Formula

Show your workings

Times tables

1	$4 \times 6 =$
2	$6 \times 5 =$
3	$5 \times 8 =$
4	$8 \times 3 =$
5	$3 \times 12 =$

6	$12 \times 9 =$
7	$9 \times 4 =$
8	$4 \times 12 =$
9	$12 \times 11 =$
10	$11 \times 10 =$

11	$10 \times 9 =$
12	$9 \times 8 =$
13	$8 \times 7 =$
14	$7 \times 6 =$
15	$6 \times 8 =$

Fluency

1 $8 \times 3 \times 5 =$

2 $72 \times 4 \div 8 =$

3 $25\% \; of \; 28 =$

4 $10\% \; of \; 55 =$

5 $0.6 \times 0.3 =$

6 $6 \times 15 =$

7 $225 \div 5 =$

8 $\dfrac{1}{4} \; of \; 64 =$

9 $\dfrac{6}{7} \; of \; 35 =$

10 $1.6 \times 5 =$

1 $26 \times 89 =$

2 $2268 \div 4 =$

3 $\dfrac{1}{7} + \dfrac{2}{9} = \dfrac{}{} + \dfrac{}{} =$
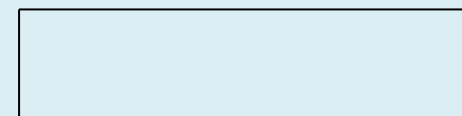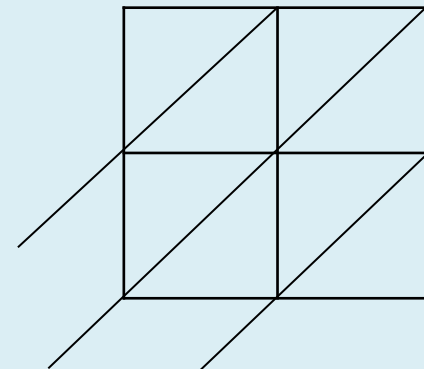
1 Calculate the area of the triangle.

$$Area\ of\ a\ triangle = \frac{bh}{2}$$
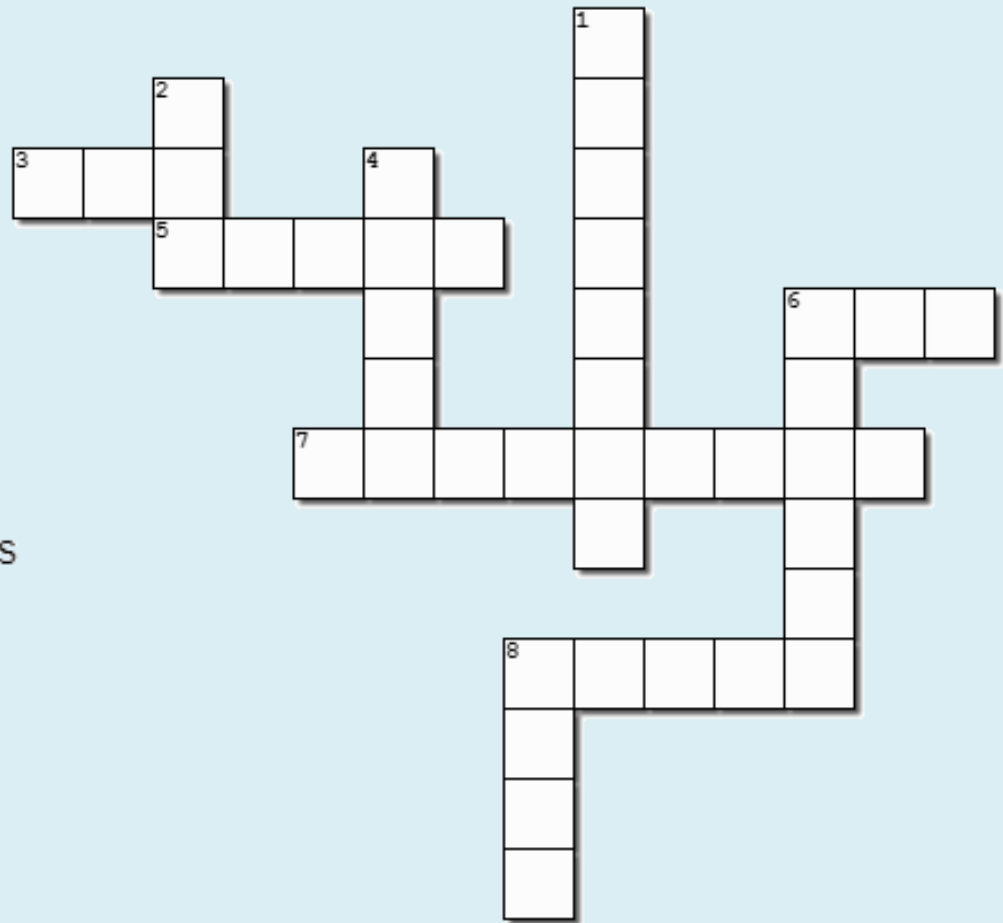
12cm

8cm
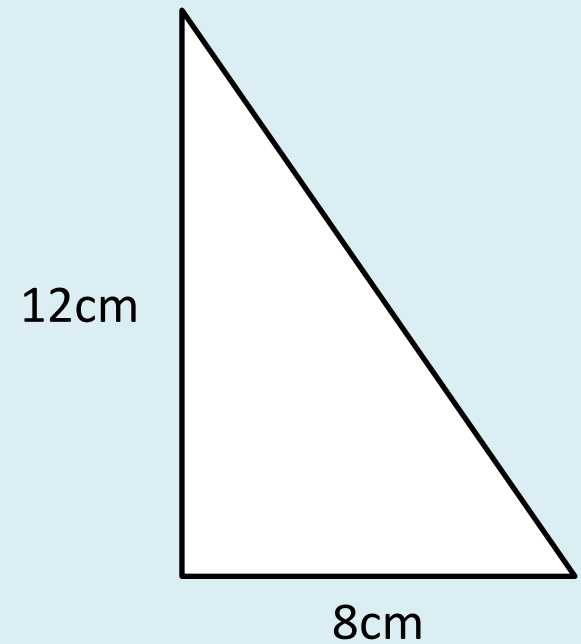
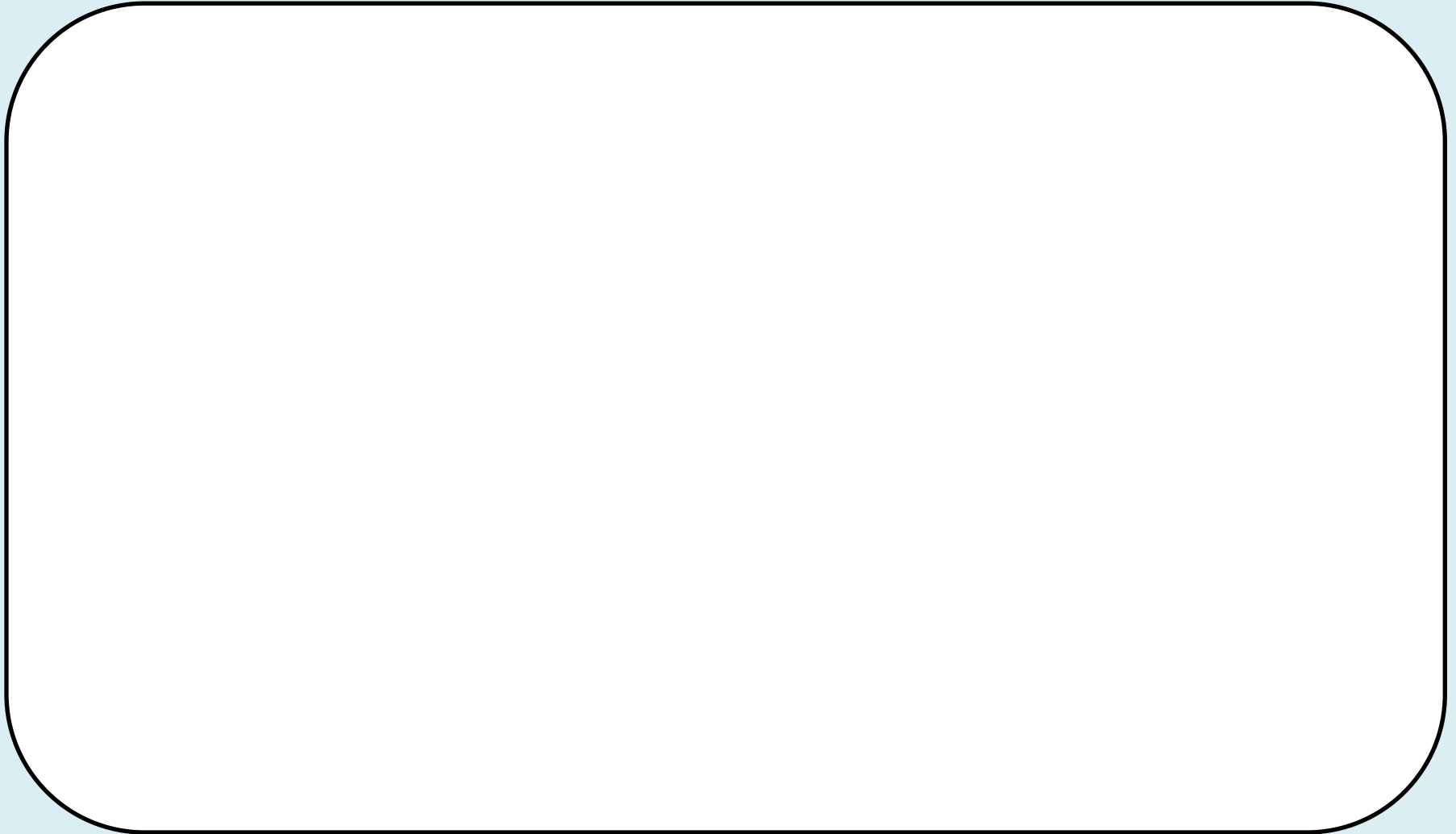**Reflect on the first section.**

WWW:

EBI:

Across

3. Square root of 100
5. The second multiple of four
6. The difference between 10 and 8
7. The sum of 8 and 9
8. Halfway between 1 and 99

Down

1. One place value bigger than 100 000's
2. x divided by x
4. The second prime number
6. The product of 5 and 4
8. 2 squared

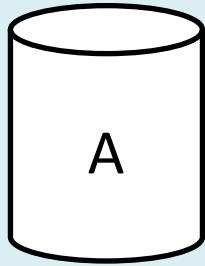**What do you do if you do not understand something in maths?**
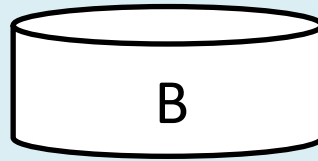
Here are two containers and their capacities.

A

330ml

B

0.75 litres

1 State which container has a greater capacity and by how much.

2 Could you drink 0.75 litres of water in a day? Justify your answer.

3 Which container is the closest to a pint?

4   Calculate $2x + 1$ when $x = 3$

5   Calculate $2x + 1$ when $x = -5$

6   Substitute $x = (n - 1)$ into $2x + 1$ giving the expression in the simplest form.

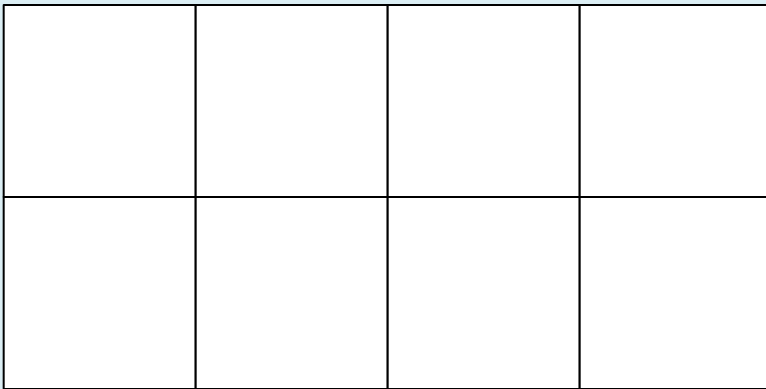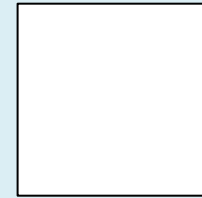7   If $2x + 1$ is five more than y, write y in terms of x.

8 The square has a perimeter of 20cm.
8 of these squares make up the shape below.
Calculate the perimeter of the shape below.

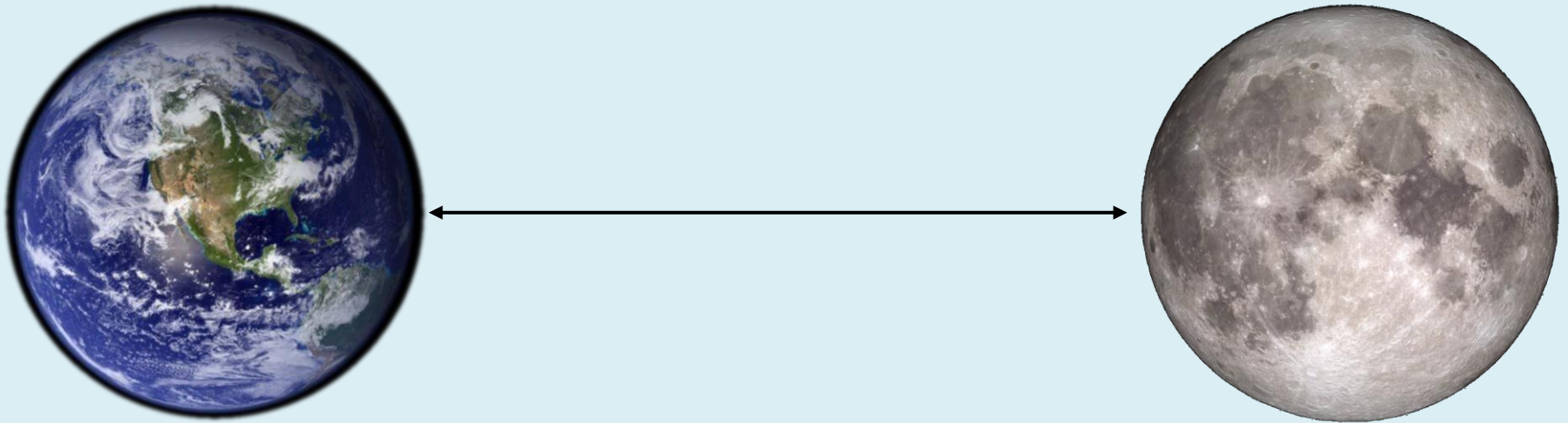It is 384,400 km to the moon. Imagine a bridge could be made connecting the earth to the moon.
How long would it take to walk over the bridge?

Well done for completing the lesson.

Reflections