## Year 2 - Week 12 - Maths ANSWERS

Mental Maths
$2 \times 11=22$
$91-77=14$
$20 \div 5=4$
$28+25=53$
$16+34=50$
$66-13=53$

This week's learning is: Measuring
Click on the following links to view this week's Maths videos:
https://www.bbc.co.uk/programmes/b007zmy9/clips

This week's key vocabulary:

| length | mass | capacity |
| :---: | :---: | :---: |
| temperature | centimetres $(\mathrm{cm})$ | metres $(\mathrm{m})$ |
| kilometres $(\mathrm{km})$ | gram $(\mathrm{g})$ | kilogram $(\mathrm{kg})$ |
| millileter $(\mathrm{ml})$ | litres $(\mathrm{I})$ |  |

Here are some additional videos that you may find useful:
https://central.espresso.co.uk/espresso/primary uk/subject/module/video index/item849225/grade1/index.html

## Year 2 - Additional Activities

Match each image to the best unit of measure.


How long is the crayon? 6 cm


How tall is the teddy bear?

5 cm


Using a ruler, draw a line in this box that is 7 cm .

When measuring, the start of the line is to be at 0 cm and end at 7 cm .

Mo has used the ruler to measure the length of the car.


Mo says the car is 8 centimetres long.
Do you agree?
Explain your answer.
I disagree because the car does not start at 0 cm . It is 7 cm long because $1+7=8 \mathrm{~cm}$ and that is where the car stops.

Compare the following measurements using < > or $=$

$$
\begin{array}{r}
55 \mathrm{~cm}+10 \mathrm{~cm} \\
42 \mathrm{~m}+6 \mathrm{~m} \\
55 \mathrm{~cm}-10 \mathrm{~cm} \\
6 \mathrm{~cm}-5 \mathrm{~cm} \\
42 \mathrm{~m}+7 \mathrm{~m} \\
6 \mathrm{~m} \\
6 \mathrm{~m}-5 \mathrm{~m}-5 \mathrm{~m} \\
70 \mathrm{~m}+5 \mathrm{~m}
\end{array}
$$

How much do the red bears weigh?


Which is heavier: the red or the yellow bear? Explain your reasoning.

The red bear is heavier. Both of the scales show the same weight so two yellow bears weigh the same as one red bear.


Yesterday


Today

1. What was the temperature yesterday? $14^{\circ} \mathrm{C}$
2. Today, the temperature is 8 degrees warmer than it was yesterday.

Shade the thermometer to show this.

How much water is in each container?

$\qquad$ ml $\qquad$ 45 ml

A jar has a capacity of 50 ml .
A cup has a capacity of 5 ml .

 5 ml

Jack uses the cup to fill the jar.
How many cups does Jack use?

Challenge:
Arrange these pieces of wallpaper from smallest to largest.


Order of size from smallest to largest:
$E, G, F, B, A, C, D$.

In this challenge, use the pattern on the wallpaper to count the number of stars and/or spots inside each piece so that they should end up with the same ordering. It is likely that they will spend some time discussing how best to approach this problem before reaching that conclusion.

If they do not suggest counting the stars and spots you could say something like, "I wonder how many stars there are on this shape?". This could lead into a discussion about why it might be useful for everyone to have the same way of working out how much space is covered by an object - perhaps relating it to a sports pitch or a tablecloth.

Here is a picture of a 1 litre bottle and a 2 litre bottle with some water in them.
$1 \ell$ bottle

| Same: Each bottle is contains the same amount of water. |
| :--- |
| Half of 21 is 11 . | What is the same? What is different?

Different: The bottles have different capacities. One can hold 11 and the other can hold 21 .

