

## Maths Measurement

Create a diary using pictures to show your day from waking up to going to bed. Label these events using both 12-hour clock and 24-hour clock times.



Match the times to the clocks showing the same time.

9 o'clock in the morning



19:15

Half past 3 in the afternoon



09:00

Quarter past 7 in the evening



15:30

Complete the times.

11:20

Twenty past eleven in the \_\_\_\_\_

17:\_\_\_

Twenty-five to six in the evening

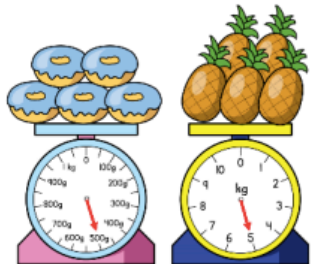
15:50

Ten to four in the \_\_\_\_\_

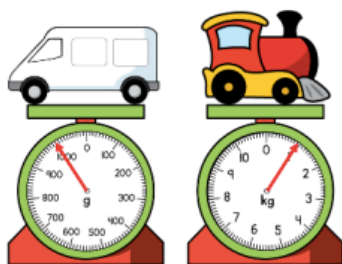
\_\_:\_\_

Twenty to 9 in the morning

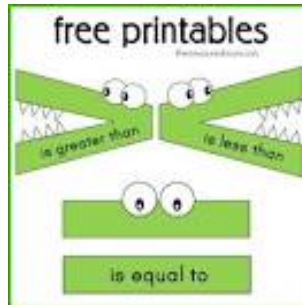
Use <, > or = to compare the mass of these objects.



500 g ○ 5 kg



1,000 g ○ 1 kg



How many times do you think you will have to use the object to fill a 1ltr jug?

Design a table and find objects around your house that can hold water. Make an estimation of how many times you will need to use the object to fill a 1 litre jug. Then test it out to find the actual amount.

Object	Estimate	Actual
Tablespoon		
Water bottle		
Mug		

## Mathematical Talk

- Which item is heavier or lighter? How do you know?
- If I added an extra item, what would happen?
- Can you work out how much one item weighs? How would you do this? Would this item weigh more or less than the other item?

Tommy is weighing a toy car.

Use this to work out what the other children's cars weigh.



My car weighs 1 kg more than Mo's.



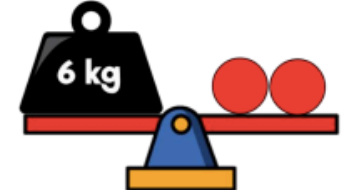
My car weighs 200 g less than Tommy's.



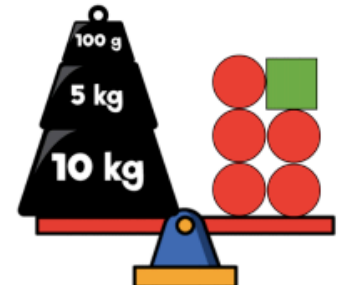
My car weighs 1 kg and 300 g less than Alex's.

## Problem Solving and Reasoning

Here is a balance.



Here is another.



Work out the value of



Can you create your own version for a partner?

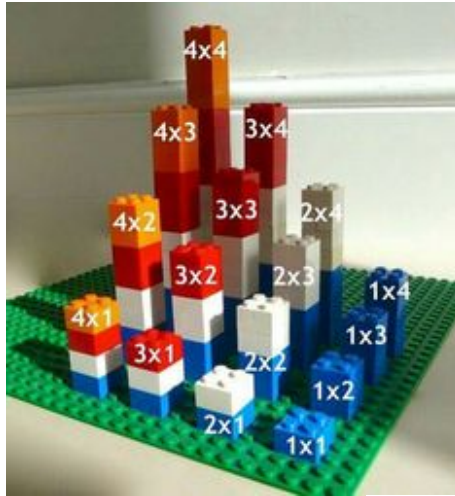
## Maths Challenges

Have a go at designing 3 different paper airplanes. You can find different designs with instructions on this website <https://www.foldnfly.com/#/1-1-1-1-1-1-1-1-2>

Once you have built your 3 different designs set out a measuring tape and have a go at seeing how far your airplane flies. Take a note of it and add it to your table. Test it out 3 times and then add the total distance travelled. Which was the best design? Why do you think this?

	Test Flight 1	Test Flight 2	Test Flight 3	Total Distance
Design 1				
Design 2				
Design 3				

If you have lego at home or building blocks can you have a go at making your own timetable city or using different types of lego to make your own arrays.



**Extra Spicy-** Use the very top and the far left hand side to find out which numbers to multiply. There are some missing numbers so you will have to use your problem solving skills to find these out!

x		8	2	5	3	4
3	30					
5						
						8
		64				
10						
4						

## Multiplication Dice Game

### How to play:

1. Roll the dice.
2. Multiply your two numbers.
3. Colour your answer on the grid.
4. The first person to colour four in a row wins!

18	12	24	8	10	24	6	15
36	30	12	9	2	5	4	18
4	24	4	8	6	8	15	3
10	12	25	15	20	6	16	8
36	12	12	30	5	12	5	30
10	25	1	9	5	6	10	20
18	20	9	10	16	15	4	3
1	30	4	20	2	3	6	15



Can you create your own maths game to play with your family?

It can be about any area of maths you would like. The questions might be on the game itself or you might make some coloured game cards that you have to answer if you land on that colour.

Just have a go and have fun! We would love to see some pictures of the finished game :)

