

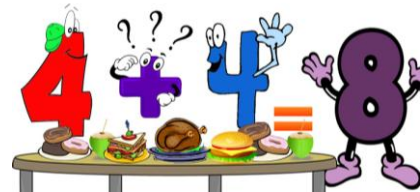
# Mrs W's Maths 16 **ANSWERS**

## Multiplying and dividing - problem solving part 1

1 A cafe has 2 types of bread and offers 3 fillings

Bread	Filling
white	cheese
brown	chicken
	tuna

Why didn't the two 4's feel like dinner?  
Because they already 8.



a) What are all the different sandwiches with one filling that you could have?

One has been done for you:

cheese on white                      tuna on white

cheese on brown                      tuna on brown

chicken on white

chicken on brown

b) Complete this multiplication to represent the number of different combinations

$$2 \times 3 = 6$$

There are 6 possible combinations.

c) How many combinations would there be if there were 4 filling choices?

$$2 \times 4 = 8$$

There are 8 possible combinations.

2 Year 5 & 6 are having a sports event. There are 79 children.

a) Mr Cook sorts them into teams of 3. Will there be any children left who are not in a team?

$$\begin{array}{r} 26 \text{ r } 1 \\ 3 \overline{) 79} \end{array}$$

There will be 1 child not in a team

b) Miss Skinner suggests putting them in teams of 4? Will there be any children left who are not in a team?

$$\begin{array}{r} 19 \text{ r } 3 \\ 4 \overline{) 79} \end{array}$$

There will be 3 children not in a team

c) Mr Webster thinks they should be in teams of 6. Will there be any children left out if they are in teams of 6?

$$\begin{array}{r} 13 \text{ r } 1 \\ 6 \overline{) 79} \end{array}$$

There will be 1 child not in a team

d) Miss Ramsay says the children can have an ice-cream each. They come in packs of 5. How many boxes does she need so every child can have one?

$$\begin{array}{r} 15 \text{ r } 4 \\ 5 \overline{) 79} \end{array}$$

She needs to buy 16 packs

(If she bought 15 packs, 4 children would not get one.)

