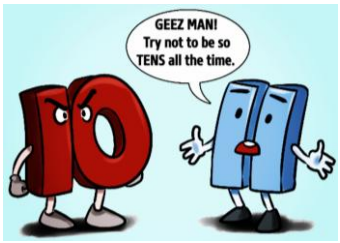
Mrs W's Maths 17 ANSWERS
Multiplying and dividing – problem solving part 2



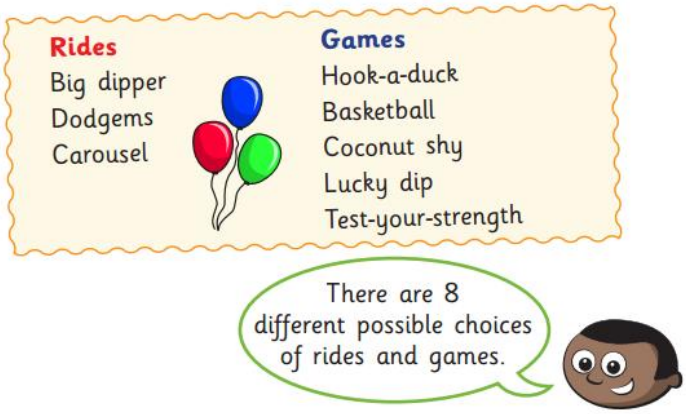
1 A pizza restaurant has choices of bases and toppings

Base	Topping
thin deep pan	mushroom chicken salami peppers sweetcorn

Complete this multiplication to work out how many different combinations of pizza there are.

2 X 5 = 10 There are 10 possible combinations.

2 Jack buys a ticket at the fair that allows him to choose 1 ride and 1 game.



3 X 5 = 15

Is Jack correct? Show how you know. Jack is wrong, there are 15 possible choices

3 There are 362 children at a year 7 event. The teacher wants them to work in small groups.

a) If they are sorted into groups of 5 will any children be left out?
362 ÷ 5 = 72 r 2 2 children will be left out.
b) If they are sorted into groups of 6 will any children be left out?
362 ÷ 6 = 60 r 2 2 children will be left out.
c) What could you do if children were left out?
Various answers: they could both join a group together – to make one larger group
they could each join a different group – to make two larger groups
they could make their own small group – to make an extra group
d) A bottle of squash makes 20 cups of drink. The school buys 18 bottles. Will there be enough for every child to have a drink?

20 X 18 = 360 This would not make enough drinks, they need to buy <u>19 bottles</u>.