Group 3 Maths Challenges

Activity 1

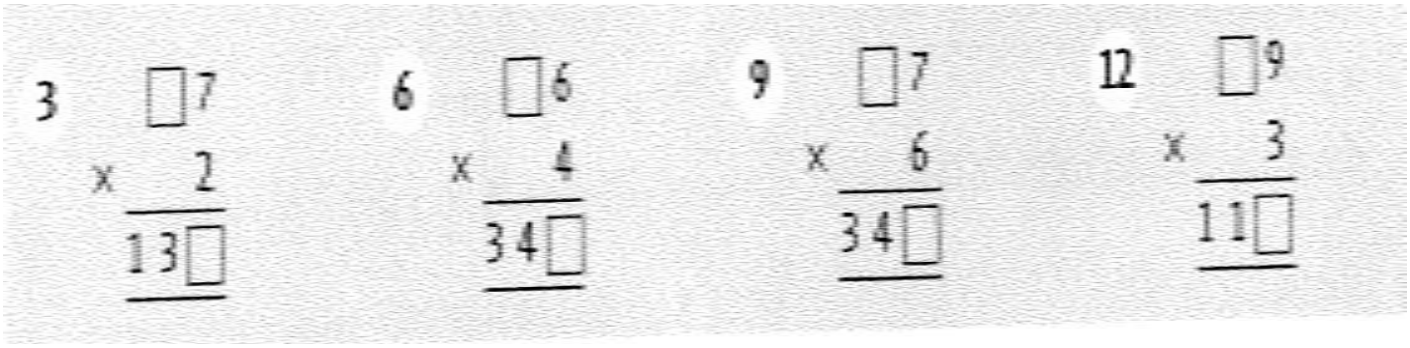
x	a	b	c
d	12		36
e	18		54
f		56	

This is a times table grid.

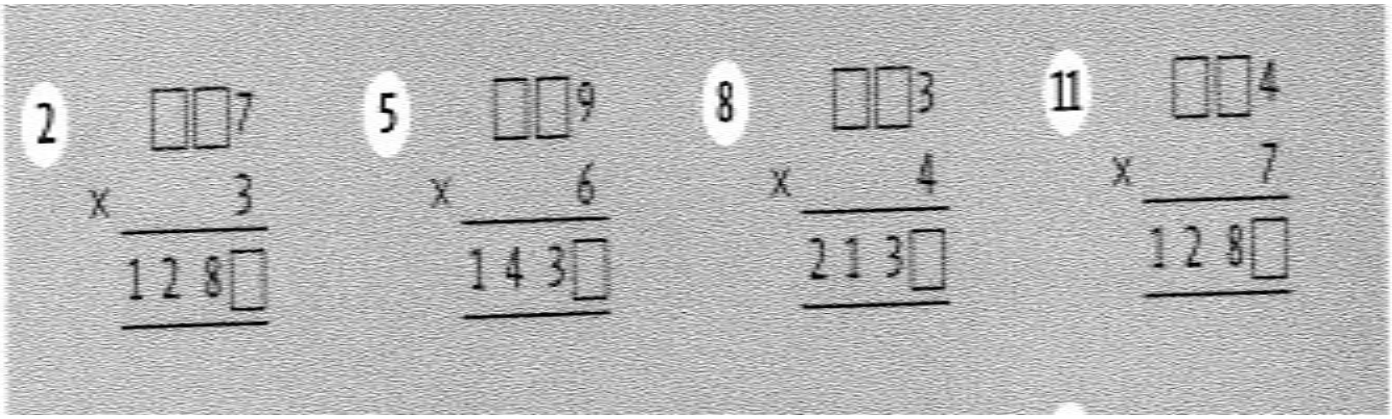
Find out what the numbers the letters represent and then use those numbers to fill the missing boxes.

a =_____ b =_____ c = _____ d = _____ e =_____ f = _____

Activity 2

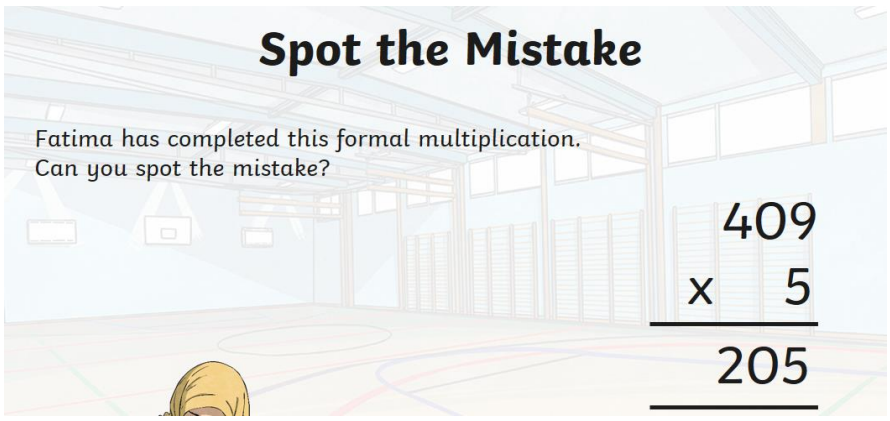


Example to complete Q2.
First answer the ones column E.g. 7x3=21 (carry the 2 underneath and put the 1 in the answer box)
Now, as you know the answer to question 2 below is 1281.
Next use the answer and divide using the bus stop method to find out what the missing boxes in the question are.
So 1281 divide by 3



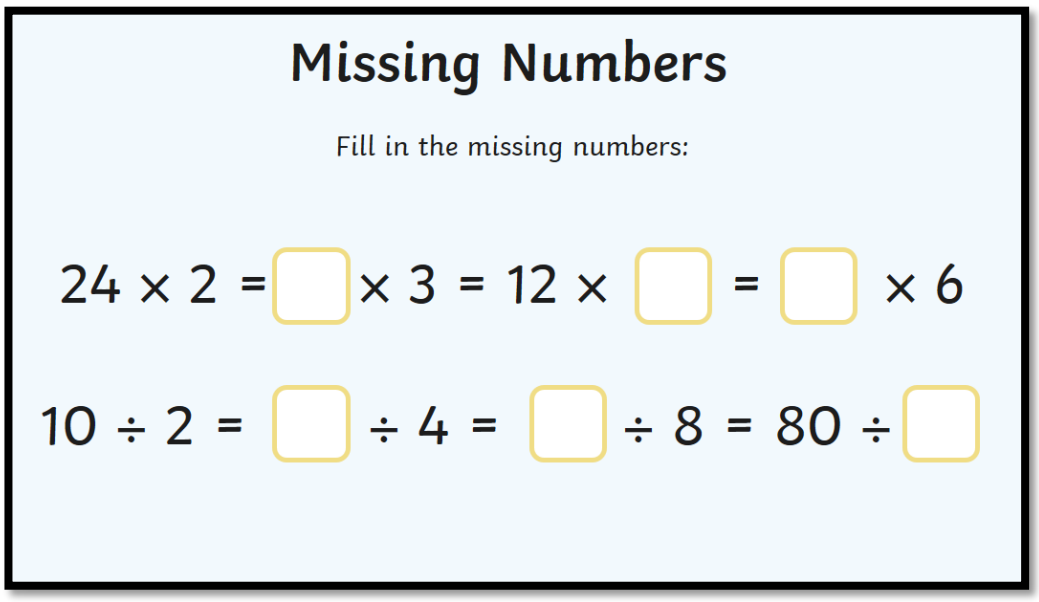
Activity 3

Spot and then explain the mistake.



Activity 4: Each calculation either side of the = sign needs to all have the same answer.

So there are 4 calculations on the top row which will all give the same answer and then the 4 calculations on the bottom row will all have the same answer.



Activity 5:

Factors are numbers which you can multiply together to get another answer with no remainder.

For example:

1x20=20 2x10=20 4x5=20 5x4=20 10x2=20 20x1=20

So 1, 2, 4, 5, 10 and 20 are all factors of 20

(It is helpful to use your knowledge of multiples, just think to yourself, is 20 in the 2x table? Yes. Is it in the 3x table? No etc.)

Tom said there are 6 factors in 12, is he correct? Show your workings out

Tom said there are 6 factors in 24, is he correct? Show your workings out.

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