Summer Week 3 - Maths Lesson 2

Can I solve multiplication word problems?

Fast five (answers on next page)

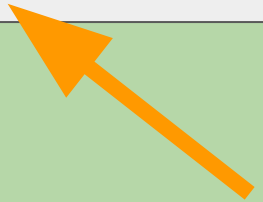
1) 4793 - 23 =
2) 7638 + 4289 =
3) 8967 - 6287 =
4) 54 x 2 =
5) 65 x 5 =

Fast five answers

1) 4793 - 23 = 4,770
2) 7638 + 4289 = 11,927
3) 8967 - 6287 = 2,680
4) 54 x 2 = 108
5) 65 x 5 = 325

Today we are going to use the column method for multiplication to solve word problems.

Anna scores 35 points on each level of her game. There are 4 levels. How many points does she score altogether?



For this question, we need to find out the total amount Anna scores after completing 4 levels. We know she scores 35 points for each level.

To work this out, we need to find 4 lots of 35.

This is the same as 35 + 35 + 35 + 35 or 35 x 4.

Anna scores 35 points on each level of her game. There are 4 levels. How many points does she score altogether?

To work this out, we will use the column method.

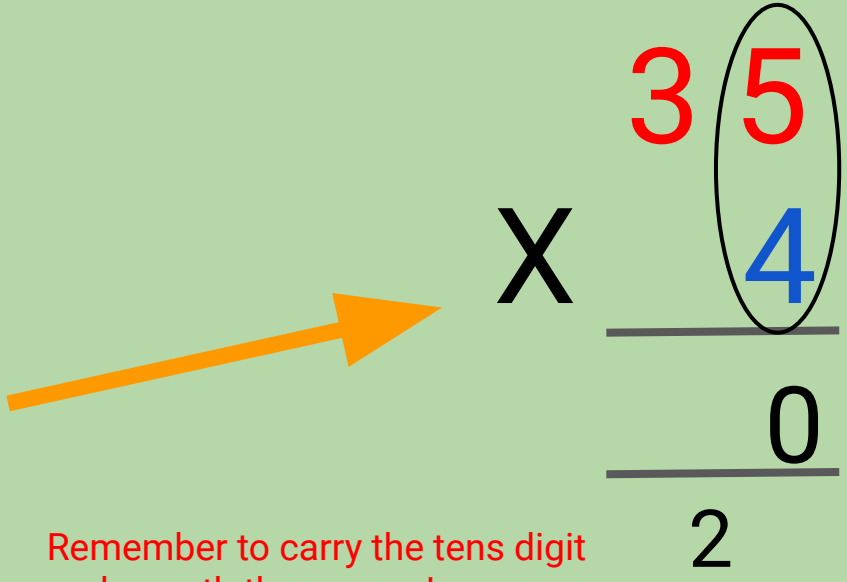
Put 35 at the top and 4 underneath (make sure you line the numbers up correctly).

$$\begin{array}{r} 35 \\ \times\ 4 \\ \hline \\ \hline \end{array}$$

Anna scores 35 points on each level of her game. There are 4 levels. How many points does she score altogether?

Step 1: 5 x 4 = 20

(Use circles to help you if you need)

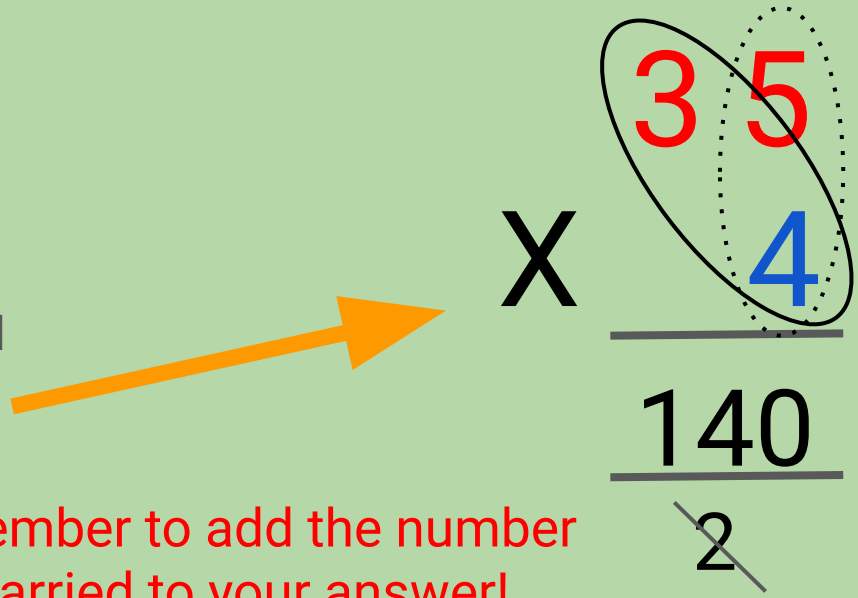


Remember to carry the tens digit underneath the answer!

Anna scores 35 points on each level of her game. There are 4 levels. How many points does she score altogether?

Step 2: 3 x 4 = 12

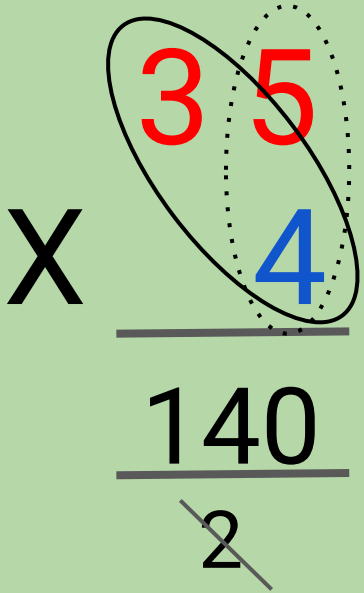
(Use circles to help you if you need)



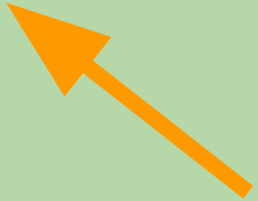
Remember to add the number you carried to your answer!
12 + 2 = 14

Anna scores 35 points on each level of her game. There are 4 levels. How many points does she score altogether?

The answer is: 140 points.



Tom cycles 28 miles a day. How many miles does he cycle over 6 days?



For this question, we need to find out the total amount Tom cycles over 6 days We know he cycles 28 miles every day.

To work this out, we need to find 6 lots of 28.

This is the same as 28 x 6.

Tom cycles 28 miles a day. How many miles does he cycle over 6 days?

To work this out, we will use the column method.

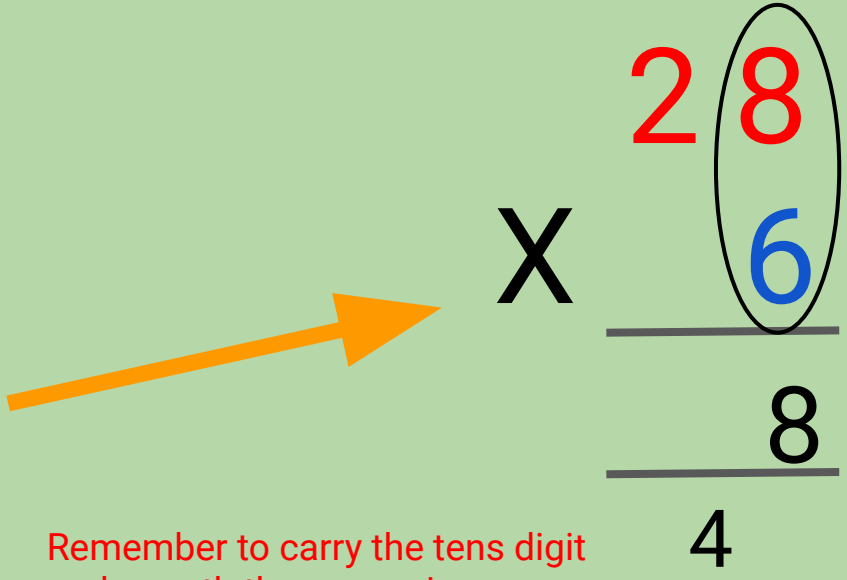
Put 28 at the top and 6 underneath (make sure you line the numbers up correctly).

$$\begin{array}{r} 28 \\ \times\ 6 \\ \hline \\ \hline \end{array}$$

Tom cycles 28 miles a day. How many miles does he cycle over 6 days?

Step 1: 8 x 6 = 48

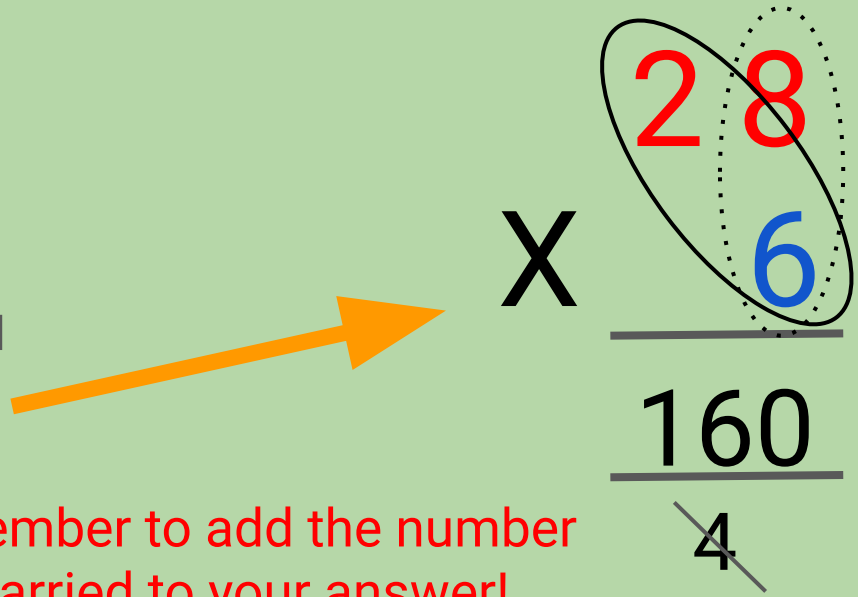
(Use circles to help you if you need)



Tom cycles 28 miles a day. How many miles does he cycle over 6 days?

Step 2: 2 x 6 = 12

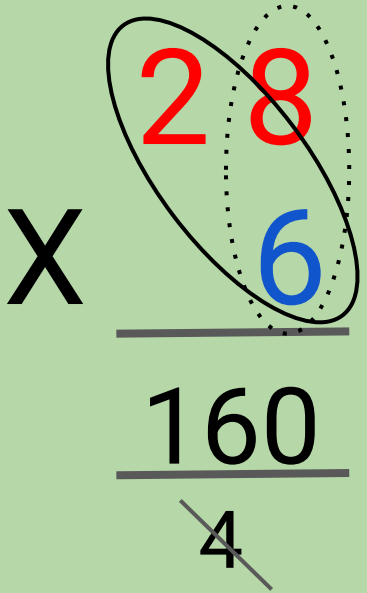
(Use circles to help you if you need)



Remember to add the number you carried to your answer!
12 + 4 = 16

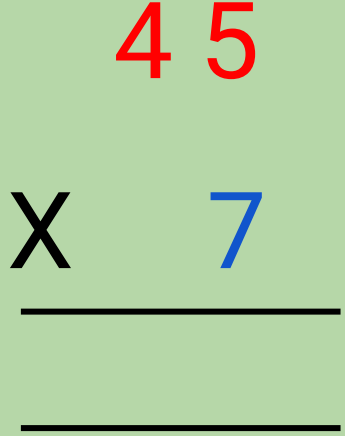
Tom cycles 28 miles a day. How many miles does he cycle over 6 days?

The answer is: 160 miles.



Have a go at this question on your own, and then check your answer on the next page. We have set the column method out for you.

A shop sells 45 packets of biscuits every day. How many does the shop sell over 7 days?



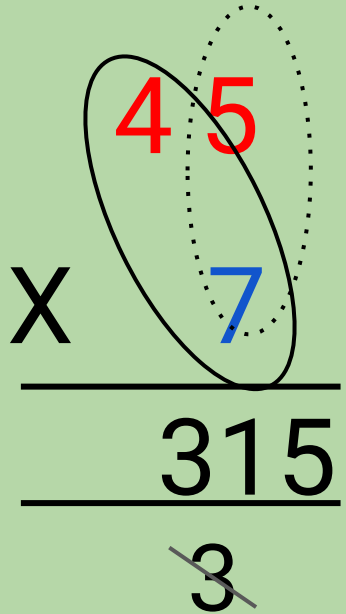
Answer:

A shop sells 45 packets of biscuits every day. How many does the shop sell over 7 days?

Step 1: 5 x 7 = 35

Step 2: 4 x 7 = 28
Don’t forget! 28 + 3 = 31

The answer is: 315



Your activities:

Choose 1 challenge to do today.

Red - for the first 4 questions, the columns have been laid out for you.

Yellow - for the first 2 questions, the columns have been laid out for you.

Green - you will need to set the multiplication sentence into columns yourself!