

Mrs Gordon's Maths

Term 4 Week 1



Now I want you to write the inverse (this means opposite) equations. So you are now going to work out some division equations.

$3 \div 3 = 1$
$6 \div 3 =$
$9 \div 3 =$
$12 \div 3 =$
$15 \div 3 =$
$18 \div 3 =$
$21 \div 3 =$
$24 \div 3 =$
$27 \div 3 =$
$30 \div 3 =$
$33 \div 3 =$
$36 \div 3 =$

Do you notice any patterns from the answers you found in the 3x tables?

What happens when you add the digits of the answers together. So for example $3 \times 6 = 18$. If you add $1 + 8$, what is the answer. Do this for all of the answers and see what patterns you notice.

If the answers **DO NOT** add up to 3, 6 or 9 then you need to work it out again! When working out your 3x tables, the easiest way to see if you are correct is to add the digits from the answer together.

Now I want you to write the inverse (this means opposite) equations. So you are now going to work out some division equations. I have left them blank so you can fill them in. Look at what we did for the 3x table divisions and see if you can work it out yourself.

$4 \div 4 = 1$
$\div 4 =$
$\div 4 =$
$\div 4 =$
$\div 4 =$
$\div 4 =$
$\div 4 =$
$\div 4 =$
$\div 4 =$
$\div 4 =$
$\div 4 =$
$\div 4 =$
$\div 4 =$

Do you notice any patterns from the answers you found in the 4x tables?

Learning Intention: To solve word problems using multiplication and division facts.

Success Criteria	Achieved?	
	Me	Adult
• Work independently	<input type="checkbox"/>	<input type="checkbox"/>
• Identify key information in the question	<input type="checkbox"/>	<input type="checkbox"/>
• Show your working	<input type="checkbox"/>	<input type="checkbox"/>

1. Hanan is a keen archer. One day she shoots 5 arrows, and each one scores 8. What was Hanan's total score?

2. 3 judges score 27 marks over all. They each give the same score. What score did they all give?

3. Cinema tickets are £8. Six people go to see the movie. How much will they pay for their tickets altogether?

4. Lemonade cans are sold in packs of 4. Cherrie wants 36 cans for a party. How many packs should she buy?

5. Trish, Karen and Layla share equally a pack of nuts. There are 27 nuts in the pack, how many nuts do they get each?

6. A machine making mango pieces puts 8 pieces in each snack packet. The machine makes 88 pieces in 1 many. How many packets are filled every minute?

7. A carpenter makes tables. Some have 3 legs and some have 4 legs. He plans to make 5 tables with 3 legs and 4 tables with 4 legs. How many legs will he need?

Learning Intention: To investigate how to work out a given problem.

Success Criteria	Achieved?	
	Me	Adult
• Work independently	<input type="checkbox"/>	<input type="checkbox"/>
• Underline all the important information	<input type="checkbox"/>	<input type="checkbox"/>
• Form an opinion	<input type="checkbox"/>	<input type="checkbox"/>
• Write a plan, using prior knowledge of measures	<input type="checkbox"/>	<input type="checkbox"/>

Here is part of the conversation between a group of children as they discuss a tall tree nearby:

"I wonder how tall it is?" says Linus.

"I think we could find out," replies Raj.

"It could be difficult as it's very high," says Toby.

I wonder how they each went about finding out the height of the tree?

I wonder how YOU would find out how tall a large tree in your surroundings is?

Write a plan about how they would go about finding out the height of tree.

Make sure you include:

- What equipment would they need?
- What would they measure in (cm/m?)
- Who would they do it with
- How can they check they have measured accurately?