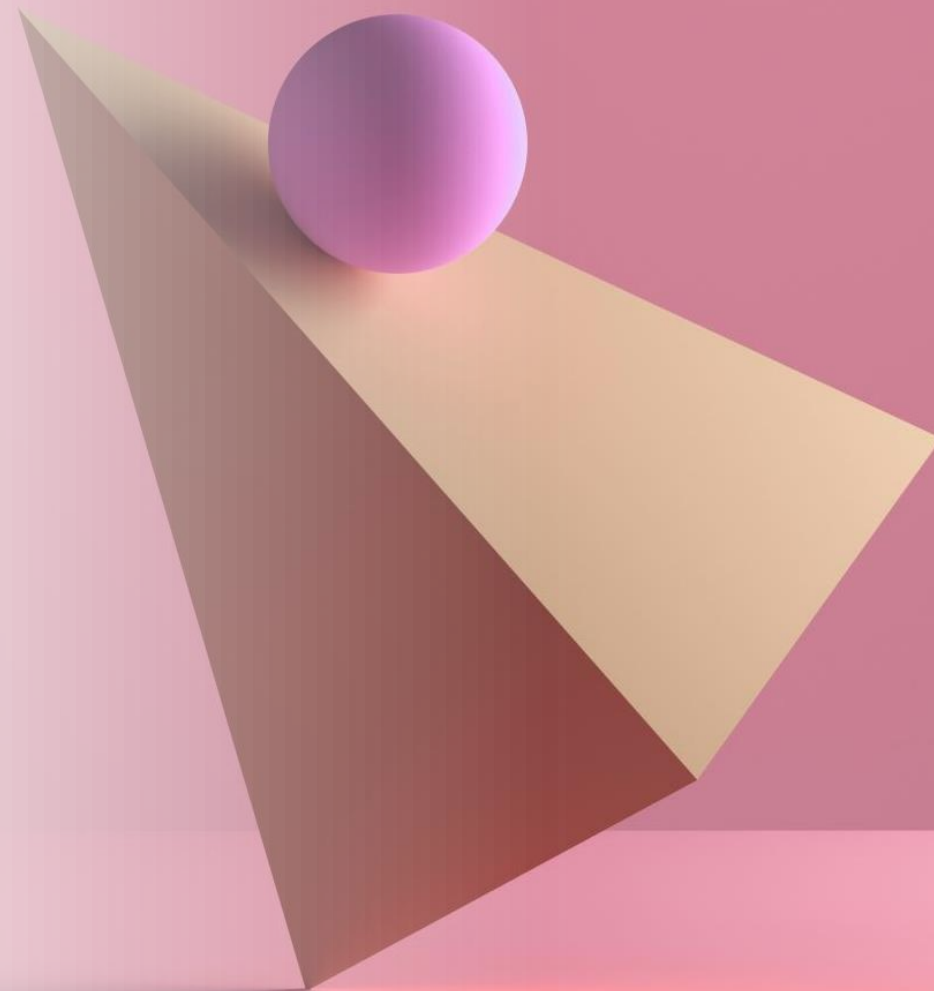




WEEK 6

Times Tables



L.O. Can I learn my Times Tables?



This is a great opportunity to be really prepared for Year 4.



Knowing your tables will be so helpful.



You need to revise the 2x, 5x and 10x tables from Year 2..



This year we have learnt the 3x, 4x and 8x tables.



Keep practising throughout the holiday!

How can I learn my tables?



Recite, Recite, Recite



Complete the maths sheets in this PowerPoint.



Online games. For example, Rockstar.



Make up a Times Tables rap.



Make a poster of the tricky tables. Display it in your bedroom.



Ask a family member to test you.



DAY 1

Bitesize lesson:

3x Table

3 Times Table

0	x	3	=	0
1	x	3	=	3
2	x	3	=	6
3	x	3	=	9
4	x	3	=	12
5	x	3	=	15
6	x	3	=	18
7	x	3	=	21
8	x	3	=	24
9	x	3	=	27
10	x	3	=	30
11	x	3	=	33
12	x	3	=	36





DAY 2

- 4x Table

4 Times Table

0	x	4	=	0
1	x	4	=	4
2	x	4	=	8
3	x	4	=	12
4	x	4	=	16
5	x	4	=	20
6	x	4	=	24
7	x	4	=	28
8	x	4	=	32
9	x	4	=	36
10	x	4	=	40
11	x	4	=	44
12	x	4	=	48



Question?

What does
inverse mean?

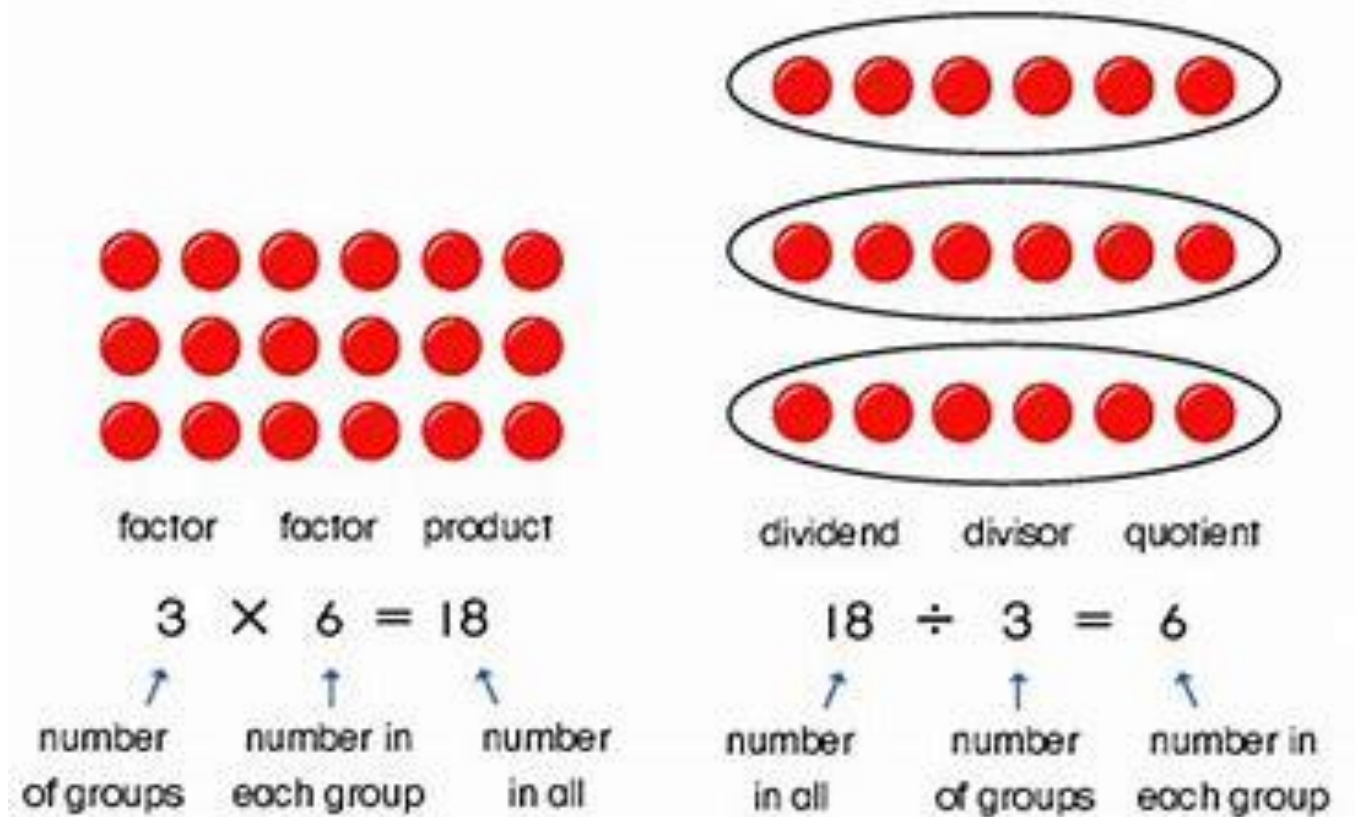


For example...

You could say that **messy** is the **inverse** of a **clean** (they are opposites and “undo” each other).



Look at this!



L. O. Can I understand number families?

INVERSE OPERATIONS

- Multiplication and Division are inverse operations.
- That means that they are related and are almost opposite.
- When you multiply you build something up:
 $3 \times 6 = 18$
- When you divide you break something down:
 $18 \div 6 = 3$ (you could also do $18 \div 3 = 6$)

$$4 \times 6 = 24$$

$$24 = 4 \times 6$$

$$6 \times 4 = 24$$

$$24 = 6 \times 4$$

$$24 \div 4 = 6$$

$$6 = 24 \div 4$$

$$24 \div 6 = 4$$

$$4 = 24 \div 6$$

Make your own number families for:

1. 9×4

2. 5×4

3. 12×4

L.O. Can I understand the 4x table?

Name

Date

4 Times Table

$4 \times 12 =$ <input type="text"/>	$4 \times 2 =$ <input type="text"/>	<input type="text"/> $\times 4 = 20$
$4 \times 10 =$ <input type="text"/>	$4 \times 0 =$ <input type="text"/>	<input type="text"/> $\times 4 = 8$
$4 \times 11 =$ <input type="text"/>	$4 \times 3 =$ <input type="text"/>	<input type="text"/> $\times 4 = 28$
$4 \times 5 =$ <input type="text"/>	$4 \times 1 =$ <input type="text"/>	<input type="text"/> $\times 4 = 40$
$4 \times 8 =$ <input type="text"/>	<input type="text"/> $\times 4 = 24$	<input type="text"/> $\times 4 = 32$
$4 \times 6 =$ <input type="text"/>	<input type="text"/> $\times 4 = 12$	<input type="text"/> $\times 4 = 4$
$4 \times 9 =$ <input type="text"/>	<input type="text"/> $\times 4 = 36$	<input type="text"/> $\times 4 = 44$
$4 \times 4 =$ <input type="text"/>	<input type="text"/> $\times 4 = 16$	<input type="text"/> $\times 4 = 0$
$4 \times 7 =$ <input type="text"/>	<input type="text"/> $\times 4 = 48$	$4 \times$ <input type="text"/> $= 48$

L. O. Can I divide by 4?

group Name _____

$32 \div 4 = \square$ $4 \div 4 = \square$ $16 \div 4 = \square$

$40 \div 4 = \square$ $0 \div 4 = \square$ $8 \div 4 = \square$

$12 \div 4 = \square$ $24 \div 4 = \square$ $20 \div 4 = \square$

$28 \div 4 = \square$ $36 \div 4 = \square$

Write in the missing numbers.

12, 16, 20, __, __, 32, 36

0, 4, 8, __, __, 20, 24

40, 36, __, __, 24, 20, 16

24, 20, __, __, 8, 4, 0



DAY 3

Bitesize lesson

8x Table

8 Times Table

0	x	8	=	0
1	x	8	=	8
2	x	8	=	16
3	x	8	=	24
4	x	8	=	32
5	x	8	=	40
6	x	8	=	48
7	x	8	=	56
8	x	8	=	64
9	x	8	=	72
10	x	8	=	80
11	x	8	=	88
12	x	8	=	96



DAY 4

- Multiplying and dividing by 10 and 100.

10 000	1000	100	10	1	●	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					●			

Multiplying

X 10 digits move LEFT **1** space
 X 100 digits move LEFT **2** spaces
 X 1000 digits move LEFT **3** spaces

Dividing

÷ 10 digits move RIGHT **1** space
 ÷ 100 digits move RIGHT **2** spaces
 ÷ 1000 digits move RIGHT **3** spaces

L.O. can I understand multiplication?

If a number is **multiplied** the number gets **bigger**.

So, $5 \times 10 = 50$

$5 \times 100 = 500$

Try these:

$10 \times 10 =$

$10 \times 100 =$

$3 \times 10 =$

$3 \times 100 =$

$9 \times 10 =$

$9 \times 100 =$

$15 \times 10 =$

$15 \times 100 =$

$21 \times 10 =$

$21 \times 100 =$

L.O. Can I understand division?

If you **divide** a number, then the number becomes **smaller**.

$$\text{So, } 50 \div 10 = 5$$

$$500 \div 100 = 5$$

Try these:

$$100 \div 10 =$$

$$1,000 \div 100 =$$

$$30 \div 10 =$$

$$800 \div 100 =$$

$$120 \div 10 =$$

$$200 \div 100 =$$

$$250 \div 10 =$$


$$1,900 \div 100 =$$

$$300 \div 10 =$$

$$600 \div 100 =$$

L.O. can I multiply by 10?

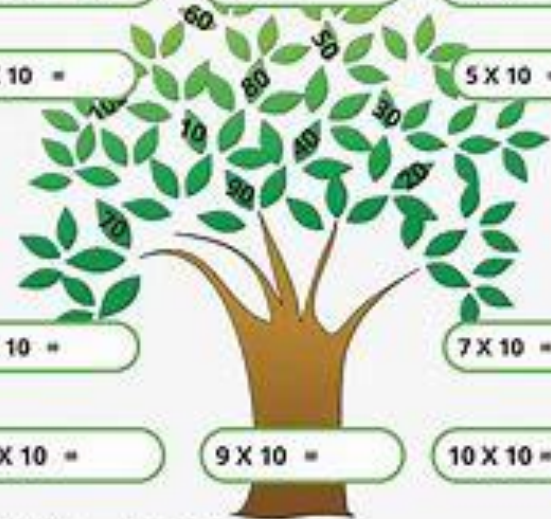
Multiplying by 10



Fill in the boxes with the correct number from the tree.

1 X 10 = 10 2 X 10 = 3 X 10 =

4 X 10 = 5 X 10 =



6 X 10 = 7 X 10 =

8 X 10 = 9 X 10 = 10 X 10 =

Multiply the first number by 10.


5 X 10 = 50 10 X 10 = ○ 3 X 10 = ○

9 X 10 = ○ 10 X 6 = ○ 10 X 4 = ○

1 X 10 = ○ 2 X 10 = ○ 7 X 10 = ○

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L.O. can I
multiply by 10
and 100?

Let's Share Knowledge  Name: _____

Multiplying by 10 and 100

1 Answer these:

$6 \times 10 =$ <input type="text" value="60"/>	$6 \times 100 =$ <input type="text" value="600"/>
$5 \times 10 =$ <input type="text"/>	$5 \times 100 =$ <input type="text"/>
$13 \times 10 =$ <input type="text"/>	$13 \times 100 =$ <input type="text"/>

2 Complete these:

$23 \times$ <input type="text" value="10"/> $= 230$	$21 \times$ <input type="text"/> $= 2100$
$20 \times$ <input type="text"/> $= 200$	$65 \times$ <input type="text"/> $= 6500$
$12 \times$ <input type="text"/> $= 120$	$8 \times$ <input type="text"/> $= 800$


3 Find the missing number

<input type="text" value="11"/> $\times 10 = 110$	<input type="text"/> $\times 100 = 7500$
<input type="text"/> $\times 10 = 360$	<input type="text"/> $\times 100 = 2400$
<input type="text"/> $\times 100 = 2700$	<input type="text"/> $\times 10 = 90$


Please log in to www.letsbshareknowledge.com for more worksheets

L.O. can I divide by 10?

Dividing by 10
Maths worksheets from [urbrainy.com](http://www.urbrainy.com)



These are all divide by 10 questions.



Dividing by ten is probably the easiest of all division questions!!

1. $20 \div 10 =$

2. $40 \div 10 =$

3. $30 \div 10 =$

4. $70 \div 10 =$

Divide these numbers by 10

5. 10

6. 60

7. 100

8. 50

9. 80


10. 90

Page 1

L. O. Can I divide by 10 and 100?

Divide by 10 and 100
Maths worksheets from [ustrbrainy.com](http://www.ustrbrainy.com)

Divide by 10 and 100

 Remember, division is the reverse of multiplication.
Try these:

1. $40 \div 10 = \square$ 2. $900 \div 100 = \square$

3. $100 \div 10 = \square$ 4. $500 \div 100 = \square$

5. $60 \div 10 = \square$ 6. $700 \div 100 = \square$

7. $20 \div 10 = \square$ 8. $100 \div 100 = \square$

9. $30 \div 10 = \square$ 10. $800 \div 100 = \square$

11. $80 \div 10 = \square$ 12. $200 \div 100 = \square$

13. $50 \div 10 = \square$ 14. $300 \div 100 = \square$

Name: _____ Page 1



DAY 5

- Reasoning and word problems.

ANSWERS

Multiplication Chart 1-12 Times Tables

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

L.O. Can I solve 4x table questions?

4 x tables

- 1) David says "Because 4 is even, all multiples of 4 will be even."
Is David correct? Explain your reasoning.

- 2) Fill in the gaps below:

	8	12			24
--	---	----	--	--	----

- 3) Sarah says "I know my 4 times table so I can work out 4×90 without using a written method."

Explain why Sarah can do this.

- 4) Fill in the gaps below:

$$4 \times \underline{\quad} = 36$$

$$48 \div \underline{\quad} = 4$$

$$4 \times \underline{\quad} = 16$$

$$12 \div 4 = \underline{\quad}$$

$$4 \times \underline{\quad} = 24$$

$$32 \div \underline{\quad} = 4$$

L.O. Can I solve word problems?

Name _____

Date _____

L.O. I can solve X and + word problems.



1. Joe makes 5 trays of cakes. There are 10 cakes on each tray. How many cakes did he make altogether?

2. There are 5 children in a team. How many teams could you make with 40 children?

3. 12 children are at a party. They each eat 2 cakes. How many cakes are eaten altogether?

4. One spider has 8 legs. How many legs will 5 spiders have?



5. There are 7 days in one week. How many days are there in 5 weeks?

6. How many toes do 8 children have?



7. There are 60 worms in a bucket. Sam shares the worms fairly between 5 chickens. How many worms does each chicken get?



8. There are 4 wheels on one car. How many wheels will there be on 10 cars?



9. Daisy has 60 books. She gives half of them away. How many books does she have now?

10. There are 45 chairs. They get stacked in piles of 5. How many stacks of chairs will there be when they have been put away?



11. Eddie gave half of his cars to his brother. He now has 40. How many cars did he have to start with?

12. Dad is doing the washing. He has 50 socks. How many pairs of socks does he have?





Answers

1. 50

2. 8

3. 24

4. 40

5. 35

6. 80

7. 12

8. 40

9. 30

10. 9

11. 80

12. 25

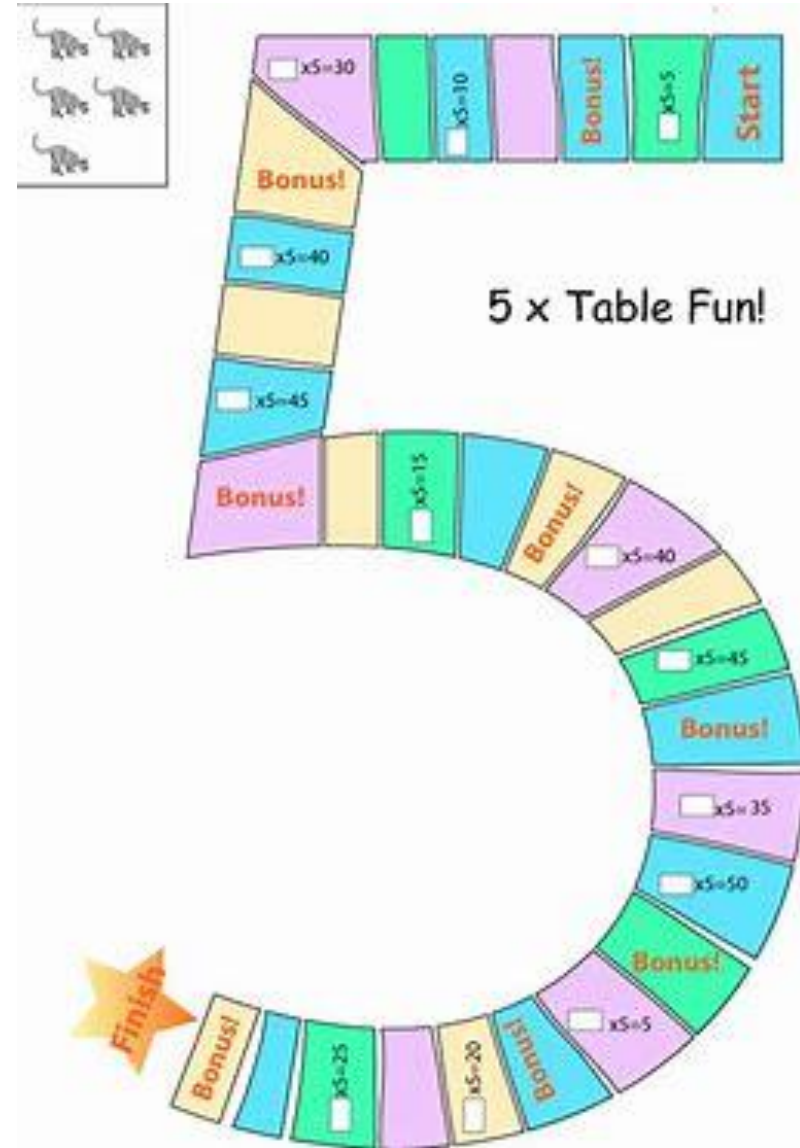
CHALLENGE

- L.O. Can I make a maths game which will help me learn my times tables?

L.O. Can I
make a math
game?

- Choose a times table that you need to learn.
- Then make up a game that you can play with a family member.

Here are some examples of Math games.



BUZZ BUZZ

Buzz Buzz



Materials: game board, 2 dice and transparent chips

Directions: Players take turns rolling the 2 dice and multiplying. Place a chip on your answer. If your opponent already has a chip on that number, you may sting it off and place your chip down. The first player to place 3 chips in a row is the winner.

6	3	1	5	2
24	9	2	15	16
1	8	36	4	18
8	12	25	30	6
2	16	3	24	9