



Thorpedene Primary School

Year 3

Mr L Maths – w/c 18.1.21

Monday





Write your 3x Table Toolbox

Watch this video to help you!





Write your 3x Table Toolbox

TABLE 3			
3	X	1 =	3
3	X	2 =	6
3	X	3 =	9
3	X	4 =	12
3	X	5 =	15
3	X	6 =	18
3	X	7 =	21
3	X	8 =	24
3	X	9 =	27
3	X	10 =	30

LO: multiply a 3 digit number by 1 digit.

- In the last few lessons we worked on multiplying 2-digit numbers by 1-digit numbers.
- Today we will look at 3-digit numbers.
- Don't be scared by the extra digit, the method is exactly the same!

How would you solve this?

H T O

213

x 3

Start with the ones.

$$3 \times 3 = 9$$

	H	T	O
	2	1	3
x			3
<hr/>			
			9
<hr/>			

Next, the **tens**.

$$1 \times 3 = 9$$

We write this in the tens column because it is actually 9 tens.

H	T	O
2	1	3
x		3
<hr/>		
	9	9
<hr/>		

Next, the hundreds.

$$2 \times 3 = 6$$

We write this in the hundreds column because it is actually 6 hundreds.

H	T	O
2	1	3
x	3	
<hr/>		
6	3	9
<hr/>		

a) Н Т О
 132
 x 3

b) Н Т О
 423
 x 2

c) Н Т О
 314
 x 2

d) Н Т О
 321
 x 4

e) Н Т О
 403
 x 3

f) Н Т О
 530
 x 3

Rewrite these using column method.

g) $942 \times 2 =$

h) $631 \times 3 =$

i) $512 \times 4 =$

j) $1042 \times 2 =$

Tuesday





Write your 4x Table Toolbox

Watch this video to help you!





Write your 4x Table Toolbox

TABLE 4			
4	X	1 =	4
4	X	2 =	8
4	X	3 =	12
4	X	4 =	16
4	X	5 =	20
4	X	6 =	24
4	X	7 =	28
4	X	8 =	32
4	X	9 =	36
4	X	10 =	40

LO: multiply a 3 digit number by 1 digit.

- Today we will look at 3-digit numbers again.
- This time we will include using the exchange digit.

How would you solve this?

H T O

213

x 4

First, start with the ones.

$$3 \times 4 = 12$$

We cannot put all 12 in the ones column. Instead, we put the 2 ones in the ones column and the 1 tens in the tens column underneath the answer.

(We cannot put the 1 tens in the answer space because we haven't calculated the tens yet.)

H	T	O
2	1	3
<hr style="border: 1px solid black;"/>		
x	4	
<hr style="border: 1px solid black;"/>		
		2
<hr style="border: 1px solid black;"/>		
		1

Next, multiply the hundreds.

$$2 \times 4 = 8$$

There's no exchange digit this time.

H	T	O	
2	1	3	
			x 4
8	5	2	
			1

a) H T O
136
x 2

b) H T O
215
x 3

c) H T O
416
x 4

d) H T O
351
x 5

e) H T O
470
x 4

f) H T O
805
x 4

Rewrite these using column method.

g) $538 \times 2 =$

h) $462 \times 3 =$

i) $424 \times 4 =$

j) $391 \times 5 =$

Wednesday





Write your 8x Table Toolbox

TABLE 4			
4	X	1	= 4
4	X	2	= 8
4	X	3	= 12
4	X	4	= 16
4	X	5	= 20
4	X	6	= 24
4	X	7	= 28
4	X	8	= 32
4	X	9	= 36
4	X	10	= 40

Use your 4x table to help you



Write your 8x Table Toolbox

TABLE 4			
4	X	1	= 4
4	X	2	= 8
4	X	3	= 12
4	X	4	= 16
4	X	5	= 20
4	X	6	= 24
4	X	7	= 28
4	X	8	= 32
4	X	9	= 36
4	X	10	= 40

TABLE 8			
8	X	1	= 8
8	X	2	= 16
8	X	3	= 24
8	X	4	= 32
8	X	5	= 40
8	X	6	= 48
8	X	7	= 56
8	X	8	= 64
8	X	9	= 72
8	X	10	= 80

What do you notice?

LO: multiply a 3 digit number by 1 digit.

- Today we will look at 3-digit numbers again.
- The questions may require multiple exchanges.

How would you solve this?

H T O

168

x 4

Start by multiplying the ones by 4.

$$8 \times 4 = 32$$

We write the 2 ones in the ones column of the answer box.

We write the 3 tens in the tens column underneath the answer box.

H	T	O
1	6	8
x		4
<hr/>		
		2
<hr/>		
	3	

Next, multiply the tens by 4.

$$6 \times 4 = 24$$

Add the exchange digit.

$$24 + 3 = 27$$

This is 27 actually 2 hundreds and 7 tens, so we write the 7 tens in the tens column.

We write the 2 hundreds underneath the answer box.

H	T	O
1	6	8
x	4	
<hr/>		
	7	2
<hr/>		
2	3	

Next, multiply the hundreds by 4.

$$1 \times 4 = 4$$

Add the exchange digit.

$$4 + 2 = 6$$

This is 6 actually 6 hundreds, so we write it in the hundreds column.

H	T	O
1	6	8
x	4	
7	7	2
2	3	



a)
$$\begin{array}{r} 275 \\ \times 6 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 643 \\ \times 6 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 867 \\ \times 5 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 891 \\ \times 4 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 849 \\ \times 5 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 585 \\ \times 5 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 744 \\ \times 4 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 263 \\ \times 5 \\ \hline \end{array}$$

Rewrite these using column method.

i) $376 \times 3 =$

j) $9085 \times 2 =$

Thursday





Write your 6x Table Toolbox

Watch this video to help you!



LO: multiply a 3 digit number by 1 digit.

- Today we will look at word problems which require multiplying 3-digit numbers by 1-digit numbers

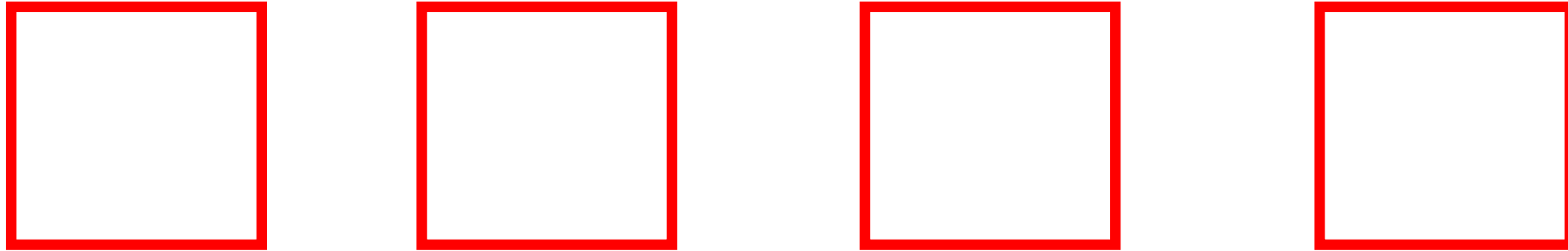


If a school has 4 classes, with 28 children in each class, how many children are there in total?

How would we answer this question?



If a school has 4 classes, with 28 children in each class, how many children are there in total?



We can imagine these are the 4 classes.



If a school has 4 classes, with 28 children in each class, how many children are there in total?

28

28

28

28

And each class has 28 children in.



If a school has 4 classes, with 28 children in each class, how many children are there in total?

28

28

28

28

To find the total we must find 4 lots of 28.

$$28 \times 4 =$$

Friday



Today you're going to practise your times tables!

- We've got 3 games:
- Snakes and ladders to practise your 2's, 3's & 5's.
- Dominos to practise your 3's, 4's and 8's.
- Dice to practise your 1's to 6's.
- You can play them on your own, but they're more fun with a partner!

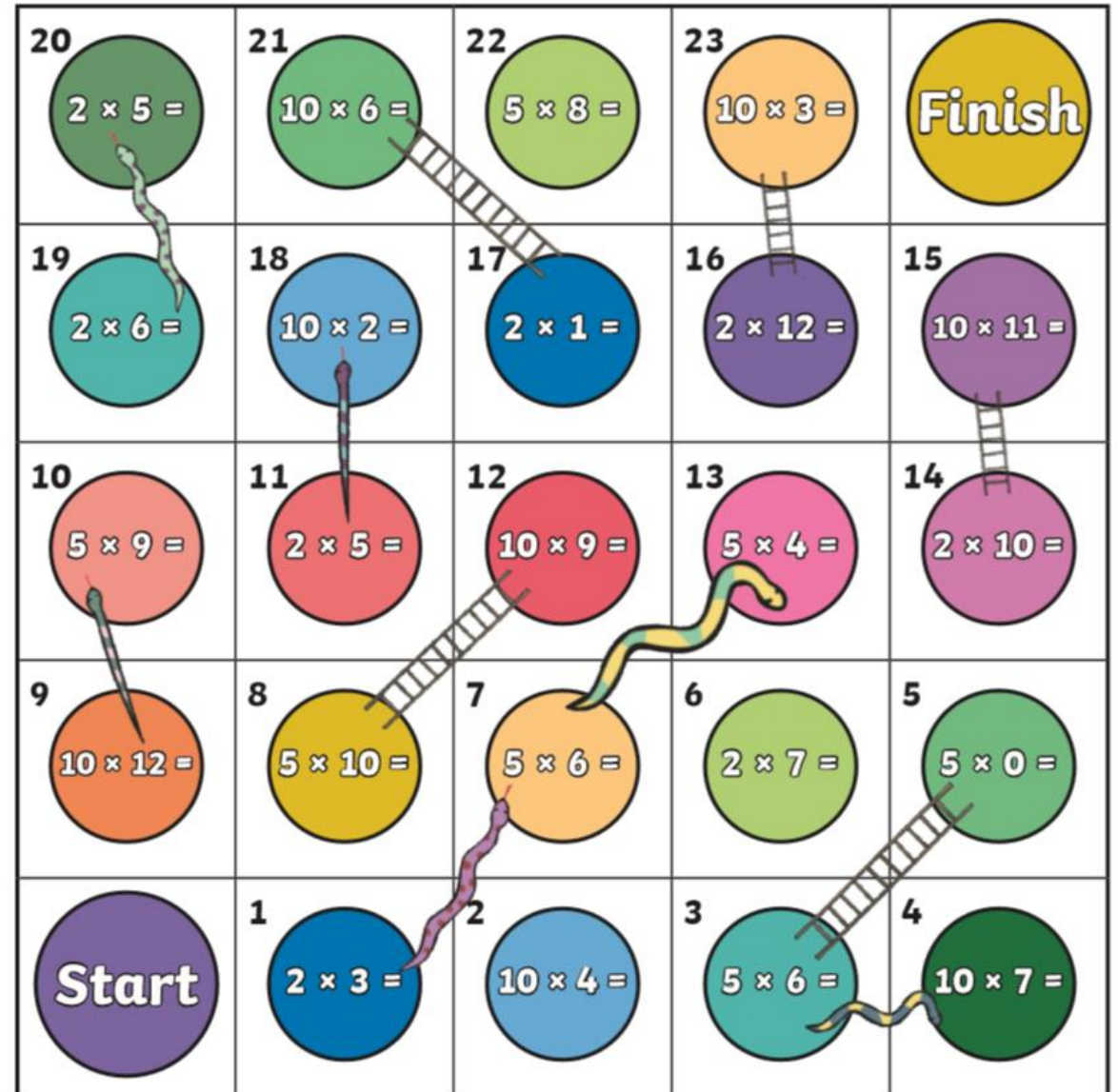
Take a picture of you playing the game!

- Then I will mark you as having done today's work

Snakes and Ladders

How to play...

1. Players take it in turns to roll the dice. The player with the highest number goes first, the player with the second highest goes second and so on.
2. When it's their turn, players move their counter the number of spaces shown on the dice and answer the calculation they land on.
3. If the answer given to the calculation is correct, play continues as usual:
 - landing on a snake's head - the player slides their counter down the snake;
 - landing at the bottom of a ladder - the player moves their counter up the ladder.
4. If the answer given to the calculation is incorrect, the player misses a go.
5. The first player to reach the finish is the winner!



Dominos

- Pick a domino.
- Find the answer to the calculation on the right.

I have 8	Who has 3×3
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$$3 \times 3 = 9$$

- So now we need to find the domino which has 9 on the left.

I have	Who has
8	3×3

I have	Who has
9	11×3

Next we need to calculate 11×3 , and find the domino which has the answer on the left.

Dice Game

How to play:

1. Roll the dice.
2. Multiply your two numbers.
3. Colour your answer on the grid.
4. The first person to colour four in a row wins!



18	12	24	8	10	24	6	15
36	30	12	9	2	5	4	18
4	24	4	8	6	8	15	3
10	12	25	15	20	6	16	8
36	12	12	30	5	12	5	30
10	25	1	9	5	6	10	20
18	20	9	10	16	15	4	3
1	30	4	20	2	3	6	15