

# White Rose Lesson 1 – The 3 Times Table

# The 3 times-table

1 Complete the multiplications.

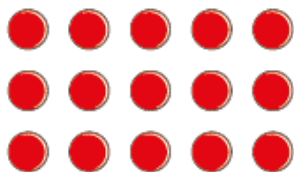


$$\square \times \square = \square$$



$$\square \times \square = \square$$

2 Dani makes an array using counters.



Write two multiplication and two division facts represented by the array.

$$\square \times \square = \square$$

$$\square \times \square = \square$$

$$\square \div \square = \square$$

$$\square \div \square = \square$$

3 Complete the number sentences.

a)  $6 \times 3 = \square$

d)  $\square \div 3 = 5$

b)  $3 \times \square = 27$

e)  $12 \times 3 = \square$

c)  $\square \div 11 = 3$

f)  $\square \times 3 = 0$

4 Complete the number sentences.

a)  $2 \times 3 = \square$

b)  $6 = 3 \times \square$

$4 \times 3 = \square$

$12 = 3 \times \square$

$8 \times 3 = \square$

$18 = 3 \times \square$

What patterns do you notice?

5 Write  $<$ ,  $>$  or  $=$  to compare the statements.

a)  $33 \div 11 \bigcirc 3$

d)  $6 \times 3 \bigcirc 6 \div 3$

b)  $27 \bigcirc 30 \div 3$

e)  $3 \times 6 \bigcirc 18 \div 3$

c)  $9 \div 3 \bigcirc 3 \times 6$

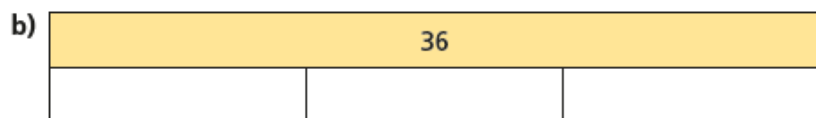
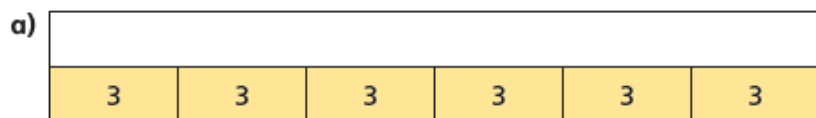
f)  $0 \times 3 \bigcirc 3 \div 3$

6 Colour all the numbers in the 3 times-table.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

What two patterns do you notice?

7 Work out the missing values in each bar model.



8 Mo has 7 packets of 3 stickers.

Eva has 3 packets of 9 stickers.

Who has the greatest number of stickers? \_\_\_\_\_



9 a) Complete the multiplications.

Are the answers odd or even? Tick your answer.

	odd	even
$1 \times 3 = 3$	<input type="checkbox"/>	<input type="checkbox"/>
$2 \times 3 = \square$	<input type="checkbox"/>	<input type="checkbox"/>
$3 \times 3 = \square$	<input type="checkbox"/>	<input type="checkbox"/>
$\square \times 3 = 12$	<input type="checkbox"/>	<input type="checkbox"/>

b) What would the next multiplication be?

$$\square \times 3 = \square$$

c) What do you notice about the products?

d) Will the product of  $11 \times 3$  be odd or even? \_\_\_\_\_

10 Use the fact that  $12 \times 3 = 36$  to work out the calculations.

$$13 \times 3 = \square$$

$$3 \times 15 = \square$$

$$14 \times 3 = \square$$

$$24 \times 3 = \square$$

How did you work this out?

Did you find the answers in the same way as your partner?



# White Rose Maths Lesson 3 and 4 – The 4 and 8 Times Tables

# The 4 times-table

1 Complete the multiplication.



$$\square \times \square = \square$$



$$\square \times \square = \square$$

2 Complete the number sentences.

a)  $6 \times 4 = \square$

g)  $24 \div 4 = \square$

b)  $4 \times 3 = \square$

h)  $8 \div 4 = \square$

c)  $\square = 7 \times 4$

i)  $0 \div 4 = \square$

d)  $4 \times \square = 48$

j)  $\square \div 11 = 4$

e)  $0 \times 4 = \square$

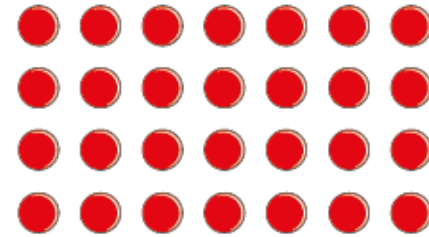
k)  $\square \div 4 = 5$

f)  $4 \times 9 = \square$

l)  $1 \times 4 = \square$

3 What multiplication and division statements does the array represent?

Complete the statements.



$$\square \times \square = \square$$

$$\square \times \square = \square$$

$$\square \div \square = \square$$

$$\square \div \square = \square$$

4 Complete the number sentences.

a)  $2 \times 4 = \square$

c)  $3 \times 4 = \square$

$4 \times 4 = \square$

$3 \times 8 = \square$

$8 \times 4 = \square$

$3 \times 12 = \square$

b)  $8 = 4 \times \square$

$16 = 4 \times \square$

$32 = 4 \times \square$

What patterns do you notice?

5 Write  $<$ ,  $>$  or  $=$  to compare the statements.

a)  $48 \div 12$    $4$

d)  $4 \div 4$    $4 \times 4$

b)  $36$    $40 \div 4$

e)  $1 \times 4$    $4 \times 1$

c)  $16 \div 4$    $4 \times 4$

f)  $4 \times 2$    $32 \div 4$

6 A paper clip is 4 cm long.



How long are 6 of these paper clips?

7 Dexter buys 10 mugs and 4 key rings.  
How much money does he spend in total?




8 The pictogram shows the animals a group of children have as pets.

Complete the pictogram.

Animal	Pictogram	Number of animals
cat		
dog		28
bird		
mouse		

= 4 animals

9



Teddy

Some of the numbers in the 4 times-table are even, but not all of them.



Eva

All numbers in the 4 times-table are even.

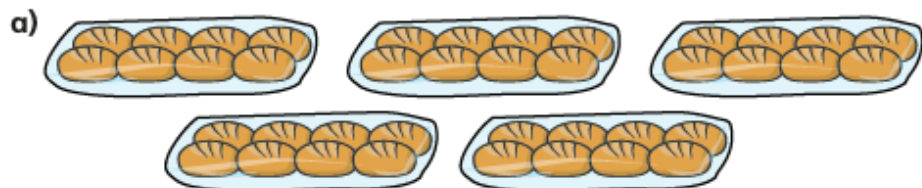
Who is correct? \_\_\_\_\_

How do you know? Talk about it with a partner.

# The 8 times-table

1 How many are there in total?

Complete the multiplications.

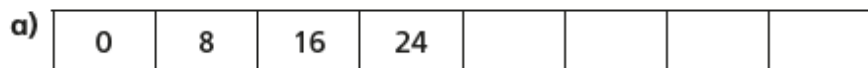


$$\square \times \square = \square$$

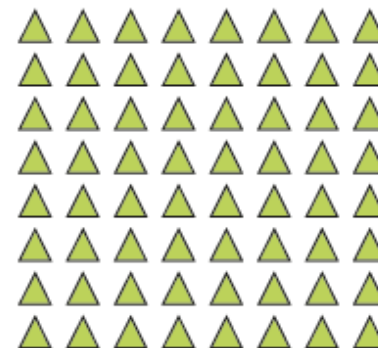


$$\square \times \square = \square$$

2 Complete the number tracks.



3 Here is an array made up of triangles.



a) What multiplication sentence can you see?

$$\square \times \square = \square$$

b) What division sentence can you see?

$$\square \div \square = \square$$

4 Complete the calculations.

Try to do the calculations in your head.

a)  $6 \times 8 = \square$

e)  $72 \div 8 = \square$

b)  $8 \times \square = 56$

f)  $\square \div 11 = 8$

c)  $10 \times 8 = \square$

g)  $\square \div 8 = 5$

d)  $\square = 8 \times 4$

h)  $8 \times 1 = \square$

5 What multiplication can you see?



6 Complete the multiplications.

a)  $2 \times 8 = \square$

b)  $8 = 8 \times \square$

$4 \times 8 = \square$

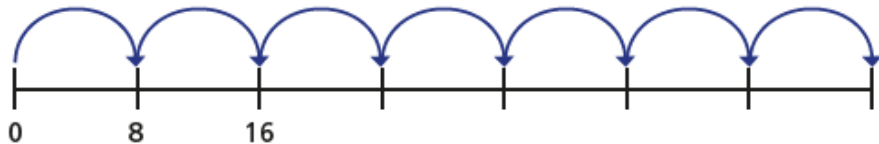
$16 = 8 \times \square$

$8 \times 8 = \square$

$32 = 8 \times \square$

What patterns do you notice?

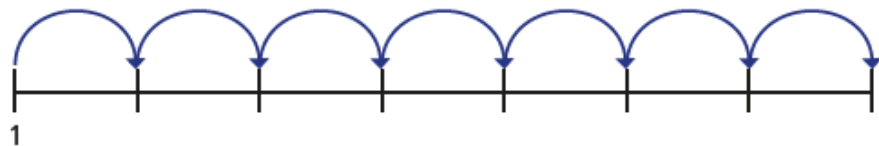
7 a) Amir draws 7 jumps of 8 on a number line.



What number does Amir end on?

Explain how you worked it out.

b) This time, Amir makes 7 jumps of 8, but starts from 1



What number does Amir end on this time?

Explain how you know.

8 Boats can be hired on a lake.

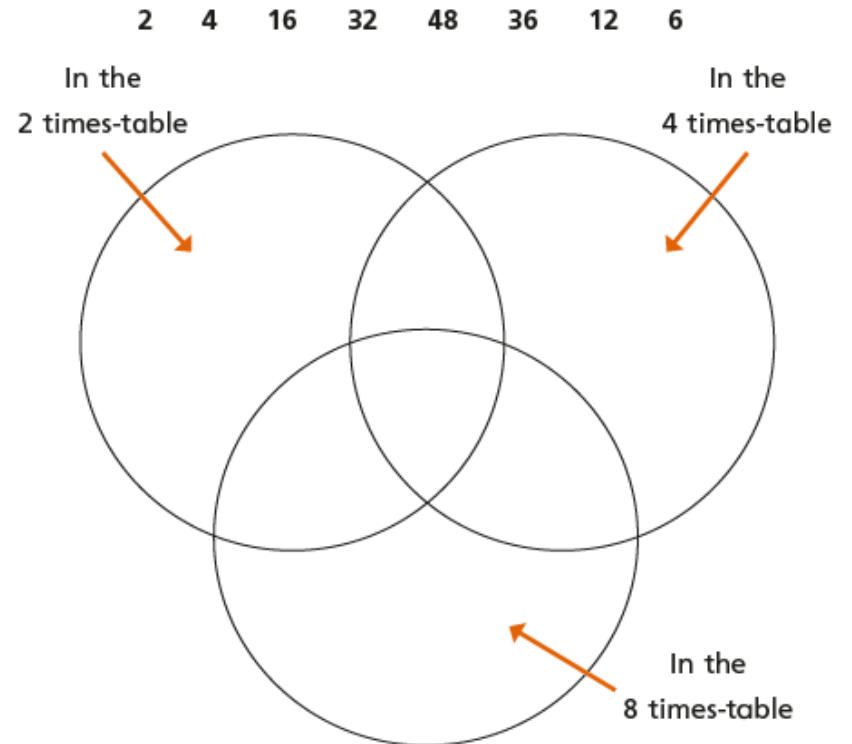
There are 5 large boats and 8 small boats on the lake.

Each boat is full.

How many people are on the lake?



9 Put the numbers into the sorting diagram.



Are any of the parts empty? Why?

Talk about it with a partner.


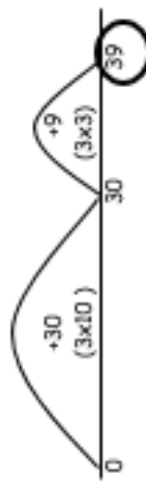


# Lesson 4 – Multiply a 2-digit number by a 1-digit number

## Lesson 4 – Multiplication Word problems

**R (read)** **U (underline)** **C (choose the calculation)** **S (solve it)** **A (answer)** **C (check)**

- Use either a number line or the grid method to solve these problems.

<p>Multiplication as addition using chunking <math>13 \times 3 = 39</math></p>  <p>Multiplication as addition using chunking <math>13 \times 3 = 39</math></p> 	<p>Multiplication using grid method <math>13 \times 3</math></p> <table border="1"><tr><td>10</td><td>3</td></tr><tr><td>30</td><td>9</td></tr></table> <p>Multiplication using grid method <math>43 \times 5</math></p> <table border="1"><tr><td>40</td><td>3</td></tr><tr><td>200</td><td>15</td></tr></table>	10	3	30	9	40	3	200	15
10	3								
30	9								
40	3								
200	15								



- Each child is given 3 balloons at a party. If there are 36 children, how many balloons will there be altogether?

- A farmer had 4 fields. There were 43 cows in each field. How many cows did he have altogether?



- I want to give 7 chocolates to each of my 32 friends. How many chocolates do I need?



- There are 24 octopuses in a tank. How many legs are there?



- I need a knife, fork and spoon for every child in the class. There are 29 children in the class. How many pieces of cutlery will I need altogether?

- A school has 6 recycling bins. There are 43 bottles in each bin. How many bottles are there?



# Friday Maths

## FRIDAY MATHS

### Dip and Pick card 19

We have included further steps again this week to challenge and grow your brains. You can choose how far you take this challenge.

Complete it in this order; **orange, blue, pink, red, yellow and finally purple.**

**On the trip, each group spent 8 minutes in the shop. In total, it took 1 hour and 4 minutes for all of the groups to visit the shop. How many groups visited the shop?**

**What if...**  
**...you have to prepare sandwiches for a trip? Decide how many children are on the trip. Decide how many slices of cheese, cucumber and tomato are on one sandwich. How many slices of each will you need in total?**

**For a trip the school orders a double decker coach. The coach has 30 seats upstairs and 30 seats downstairs. 40 children get on the coach. If there is an odd number of children sitting upstairs and an odd number of children sitting downstairs, how many children could be there be on each level?**

**CARD 19**

**35 sandwiches are needed for a school trip. If each sandwich has 5 slices of cucumber on it, how many slices of cucumber will be needed?**

**35 sandwiches are needed for a school trip. If each sandwich has 5 slices of cucumber on it, how many slices of cucumber will be needed? If 50 slices can be cut from each cucumber, how many cucumbers will be needed?**

**The coach travelled 81 miles there and back on the school trip. If the coach made the same journey and travelled the same number of miles every day, Monday to Friday, would the coach travel more than 1000 miles in 3 weeks? Explain how you know?**

## FRIDAY MATHS

# Finding Fifteen

Tim had **nine cards**, each with a different number from 1 to 9 on it.

He put the cards into **three piles** so that the **total in each pile was 15**.

How could he have done this?

Can you **find all the different ways** Tim could have done this?

You may like to print off and cut out [these digit cards](#) to help you.

<u>Pile 1</u>	<u>Pile 2</u>	<u>Pile 3</u>

Digit cards

1	2	3
4	5	6
7	8	9