

Hello everyone! A huge well done to all of the money work that you have completed. This week, we are looking at lots of multiplying and dividing which will require us to use our times table knowledge. Below are some recordings for you to watch and you can then find the worksheets on the website.


Monday 1st Feb 2021- Multiply by 4

Watch <https://vimeo.com/476320465> then complete Q.1-7. If you feel like a challenge then have a look at the last two questions.

Multiply by 4

1 Complete the sentences.

a)




There are bags of pears.

There are pears in each bag.

There are pears in total.

b)

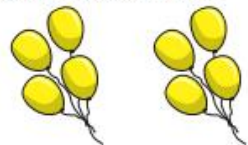


There are plates.

There are doughnuts on each plate.

There are doughnuts in total.

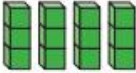
2 Complete the multiplication.

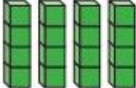



\times =

3 Match the representations to the number sentences.

Complete the number sentences.

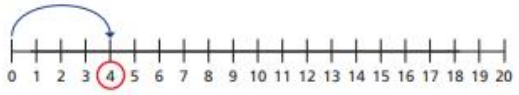
 $4 \times 2 = \square$

 $4 \times 3 = \square$

 $4 \times 4 = \square$

4 Starting from zero, circle the numbers in the 4 times-table.

The first one has been done for you.



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- 5 Esther makes this array.



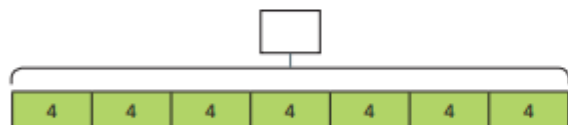
What multiplication facts does the array represent?

Complete the multiplications.

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

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

- 6 Fill in the missing number.



What multiplication is represented?

Complete the multiplication.

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



- 7 Teddy has 4 bags of 10 sweets.



How many sweets does Teddy have?

Teddy has sweets.

- 8 A bottle contains 4 litres of juice.

Mrs Wilson needs 30 litres of juice for a party.

She has 12 bottles.

Does she have enough juice?



- 9



To multiply by 4,
you take the number
you are multiplying and
double it twice.

Do you agree with Ron? _____

Explain your answer.

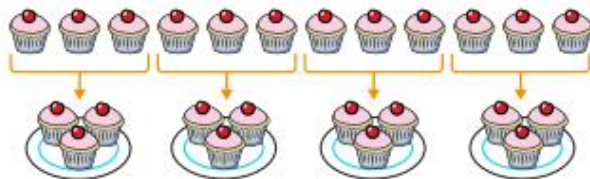
Tuesday 2nd Feb 2021- Divide by 4

Watch <https://vimeo.com/477072164> then answer Q.1-5. If you feel like a challenge then have a look at the remaining questions too.

Divide by 4



- 1 Here are 12 cakes.



Complete the sentences.

There are plates.

Each plate has cakes.

12 shared into equal groups is

- 2 Circle groups of 4 flowers.

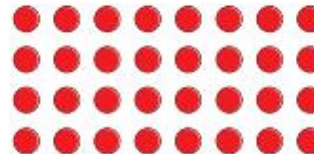


a) How many groups of 4 flowers did you make?

b) Complete the sentence.

There are groups of 4 in 16

- 3 Eva makes an array with 32 counters.



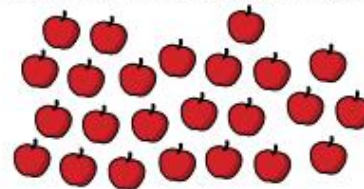
a) How many groups of 4 are in the array?

b) Use this to complete the division sentence.

$$32 \div 4 = \square$$

- 4 A farmer has 24 apples.

He wants to pack the apples equally into 4 bags.



How many apples will be in each bag?

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

There will be apples in each bag.

- 5 There are 20 muffins.

4 muffins fit in 1 box.

Use the number line to work out how many boxes can be filled.



boxes of muffins can be filled.

- 6 Alex is trying to divide 48 by 4



To multiply by 4, you can double the number and double again.

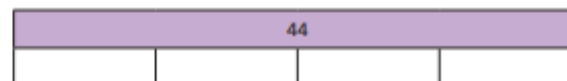
To divide a number by 4, I think you can halve the number and halve it again.

Divide the array to show that Alex's method works.



Does Alex's method always work?

- 7 Complete the bar model.



Complete the division statement to match the bar model.

$$44 \div \square = \square$$

- 8 Mo is working out whether numbers divide equally by both 2 and 4

Complete the table and continue the pattern.

The first one has been done for you.

Number	Divided equally by 2 is . . .	Divided equally by 4 is . . .
2	1	does not divide equally
4		
6		
8		
10		
12		

What do you notice?

Wednesday 3rd Feb 2021- The 4 times table

Watch <https://vimeo.com/480759672> then answer Q.1-4. If you felt really confident with these then feel free to have a go at the remaining questions.

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) $4 \div 4$ 4×4

b) 36 $40 \div 4$ e) 1×4 4×1

c) $16 \div 4$ 4×4 f) 4×2 $32 \div 4$

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.

Multiply by 8



1 Complete the sentences.

a)



There are bags of apples.

There are apples in each bag.

There are apples in total.

b)



There are octopuses.

There are arms on each octopus.

There are arms in total.

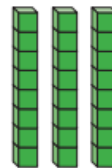
2 Use counters to represent 2×8

Draw your representation.

3 Work out how many cubes there are in total.

Complete the multiplication sentences.

a)



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

b)



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

What is the same about your answers? What is different?



Watch <https://vimeo.com/480761211> then answer Q.1-6. Feel free to use anything that you might have at home if you do not have counters (pasta etc) to help you with some of these questions. If you feel like a challenge then answer the remaining questions too.

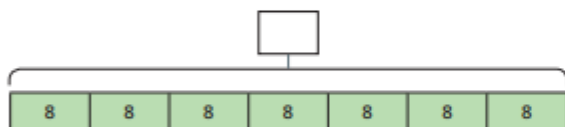
- 4 How many dots are there in total?



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

How many different ways can you work this out?

5



- a) What multiplication is represented by the bar model?

$$\square \times \square$$

- b) Label the bar model with the whole.

- c) Draw a bar model to represent 3×8



- 6 Whitney has 10 packets of seeds.



- a) How many seeds does Whitney have in total?

- b) Ron has 4 fewer packets than Whitney.
How many seeds does he have?

- 7 Jack and Annie are practising their 8 times-table.



Jack

To multiply any number by 8, you can multiply it by 4 and then double it.



Annie

To multiply any number by 8, you can double the number 3 times.

- a) Who do you agree with? _____

Talk about it with a partner.

- b) Use both methods to work out these multiplications.

$$8 \times 4 = \square \quad 8 \times 9 = \square \quad 11 \times 8 = \square$$

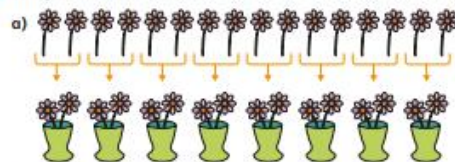
Friday 5th Feb 2021- Divide by 8

Watch <https://vimeo.com/480761847> then answer Q.1-4. Feel free to answer the remaining questions if you feel like a challenge today!

Divide by 8

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1 Complete the sentences.

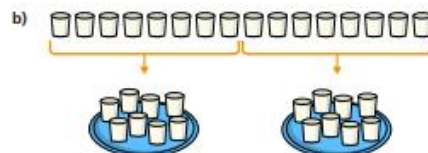


There are flowers.

There are vases.

Each vase has flowers.

16 shared into equal groups is



There are 16 glasses of milk.

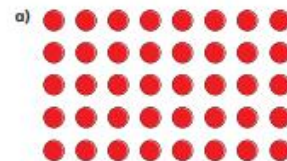
There are glasses of milk on each tray.

There are trays.

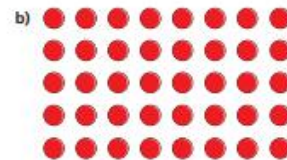
16 shared into equal groups is

2 Use the arrays to help you complete the divisions.

Draw on the arrays to show your workings.



$$40 \div 8 = \square$$



$$40 \div 5 = \square$$

3 32 coins are shared between 8 people.

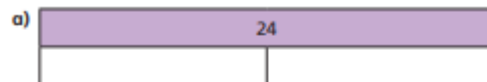
How many coins does each person get?



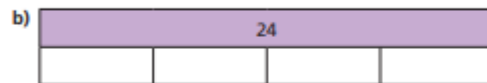
Complete the division.

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

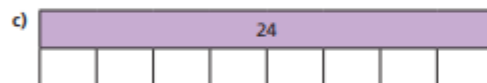
- 4 Complete the bar models and division statements.



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



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



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

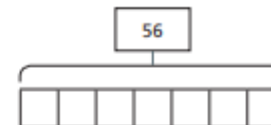
What do you notice?

- 5 40 kg of potatoes are packed into 8 kg bags.
How many 8 kg bags can be filled?

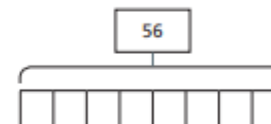


- 6 a) Match the number story to the bar model.

56 sweets are shared equally between 8 party bags.

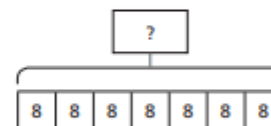


56 sweets are put into party bags. There are 8 sweets in each bag.

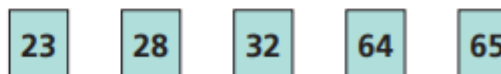


- b) Complete the bar models.

- c) Think of a number story to match this bar model.



- 7 Circle the numbers that divide by 8 exactly.



How did you work this out?

