# Tuesday 2nd February 2021 02/02/21

Year 4 Maths - Chapter 4 Lesson 17

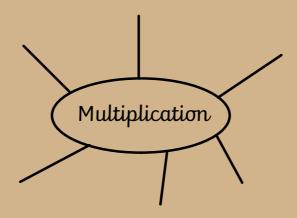
WALT: solve word problems involving multiplication and division.

Today we will be using the methods that we have been learning for multiplication and division to solve problems.

We will also be using bar models to help us understand what a problem is asking us to do.

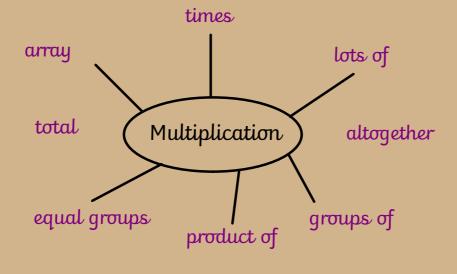
### <u>Let's warm our brains up!</u>

You have got 1 minute to think of as many words as you can related to multiplication.



#### <u>Let's warm our brains up!</u>

You have got 1 minute to think of as many words as you can related to multiplication.



## In Focus

Lulu has 155 beads.

Holly has 4 times as many beads as Lulu has.

How many beads do Lulu and Holly have altogether?



Do we need to use multiplication or division? How do you know?

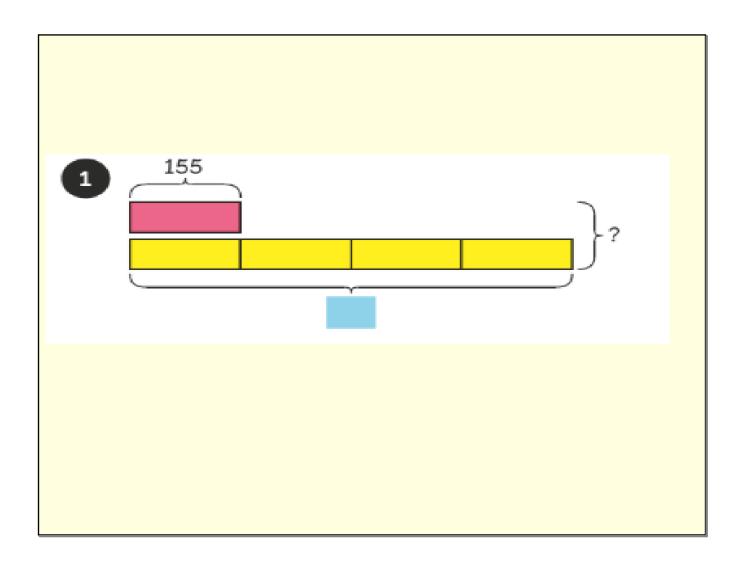
What do we know from the problem?

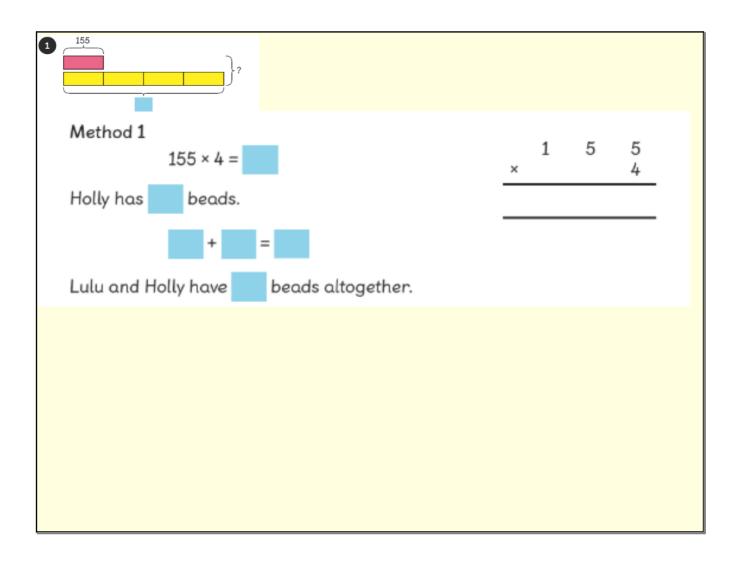
## In Focus

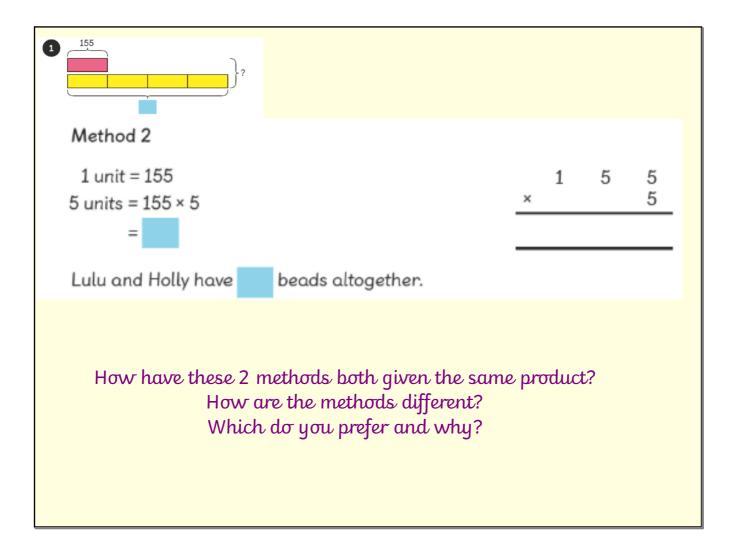
Lulu has 155 beads. Holly has 4 times as many beads as Lulu has. How many beads do Lulu and Holly have altogether?

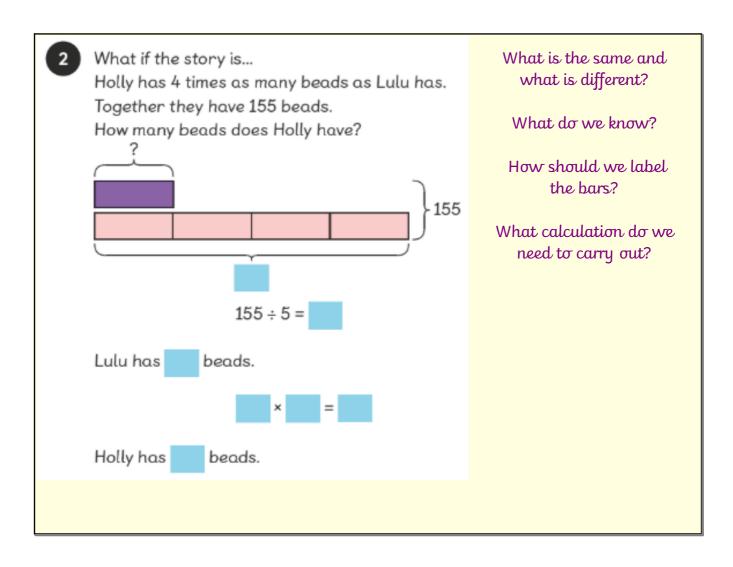


Let's draw it out...What would the first bar represent?
What do we already know about the other girl's beads?
What are we trying to calculate?









Now try Worksheet 17 on pages 129-130.

If you would like some more practice first, continue to work with the teacher.

Name:	Class:	Date:	
Nume	ciuss	Date	

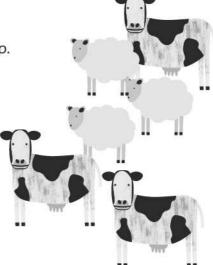
### Worksheet 17

#### Solving Word Problems

Solve.

1 There are 156 sheep on a farm.
The farm has 3 times as many cows as sheep.

(a) How many cows are on the farm?



(b) What is the combined number of sheep and cows on the farm?

Further Multiplication and Division

Page 129

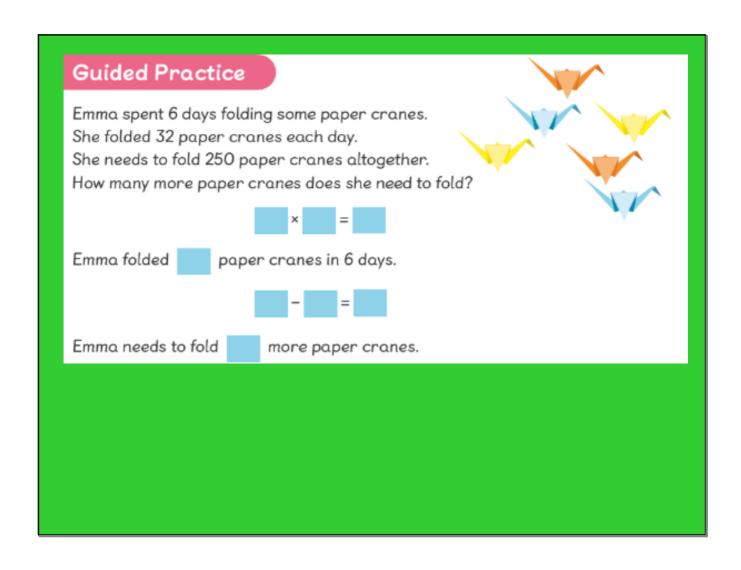
A farmer picked 173 apples on Monday.
On Tuesday, he picked 4 times as many apples as he did on Monday.
How many apples did the farmer pick altogether on the two days?

There are 5 times as many boys as girls in a school. Together the school has 810 pupils. How many boys are there?



Further Multiplication and Division

Page 130



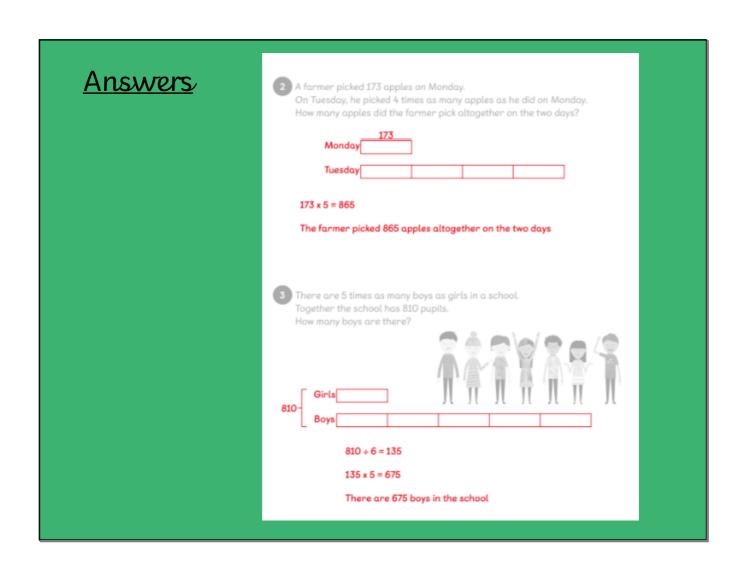
- 1. Have a go at these in your journal:
  - a) 295 ÷ 3
  - b) 538 ÷ 2
  - c) 837 ÷ 4
  - d) 209 ÷ 5
  - e) 129 ÷ 3
  - f) 294 ÷ 4
  - q) 295 ÷ 3
  - h) 582 ÷ 8
  - i) 938 ÷ 9
  - i) 948 ÷ 7

 Mary downloaded the same number of apps for her phone each week.
 She downloaded 54 apps over a period of 9 weeks.
 How many apps did she download each week?



- 3. Frances is very good at hurdles. She can jump 9 hurdles in a 200 metre race. However, Johnathon can jump twice as many. How many hurdles can he jump?
- 4. My teacher decided to reward us with a pizza party at the end of the week. There are 21 people in my class, and each person is allowed 2 pieces of pizza. A pizza has 7 slices. How many pizzas does he need to buy?
- 5. There are 35 rows of 24 dominoes. How many dominoes are there altogether?
- 6. In a garden there is space for 20 rows of 14 seeds in a flower bed. How many seeds are in a flower bed?

<u>Answers</u>	Name: Class: Date:	
	Worksheet 17	
	Solving Word Problems	
	There are 156 sheep on a farm. The farm has 3 times as many cows as sheep.  (a) How many cows are on the farm?  156  156  156 x 3 = 468  There are 468 cows on the farm	
	(b) What is the combined number of sheep and cows on the farm?	
	156	
	156 x 4 = 624	
	There are 624 cows and sheep combined on the farm	



#### Plenary.

Knowing the times tables helps us with multiplication and division word problems, so let's learn the 7 times table.



