

# Multiplication and Division Word Problems



**WALT:**

solve multiplication and division  
word problems

**WILF:**

I can identify which operation to use in  
order to solve a word problem,  
multiplication or division.

I am able to calculate the answer  
correctly.

# Which Operation?

Ruby writes two word problems:

1. There are 6 eggs in a box. There are 36 boxes.

**How many eggs are there altogether?**

2. There are 36 eggs. The eggs are put in boxes of 6.

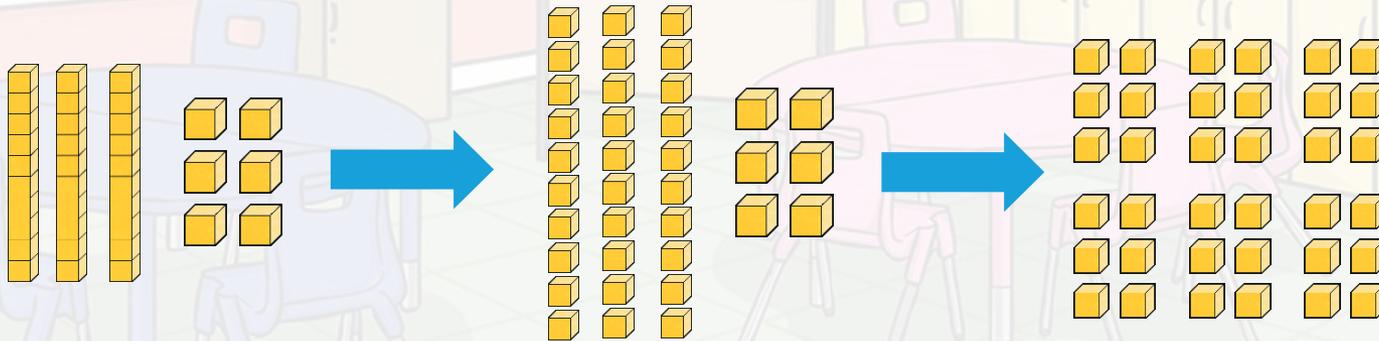
**How many boxes are filled?**

Read the problems and take one minute to figure out which operation we use in order to solve it.



# Which Operation? Answers

3. There are 36 eggs. The eggs are put in boxes of 6.  
**How many boxes are filled?**



$$36 \div 6 = 6$$

In each of the following word problems, you must identify which operation you will need to use in order to solve the problem;

multiplication or division?



A troop of 120 monkeys at a zoo are each given 4 bananas every day.

How many bananas are given out, in total, every day?



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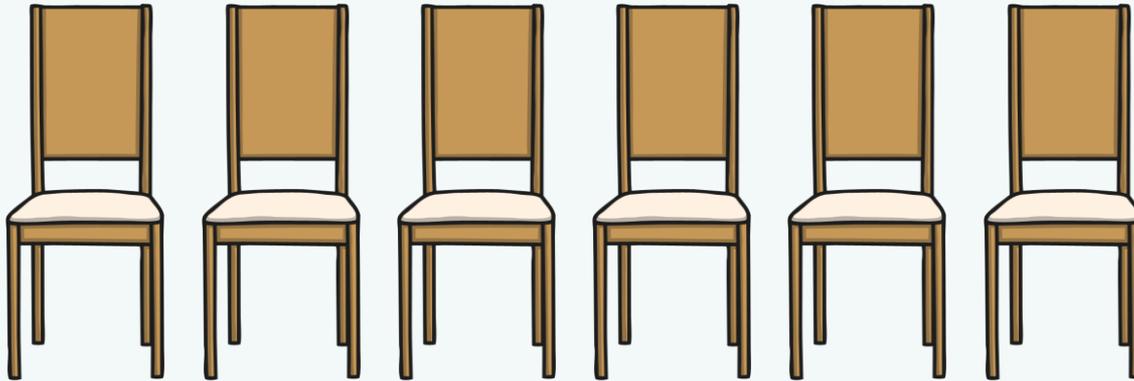


$$120 \times 4 = 480$$

480 bananas are given out each day.

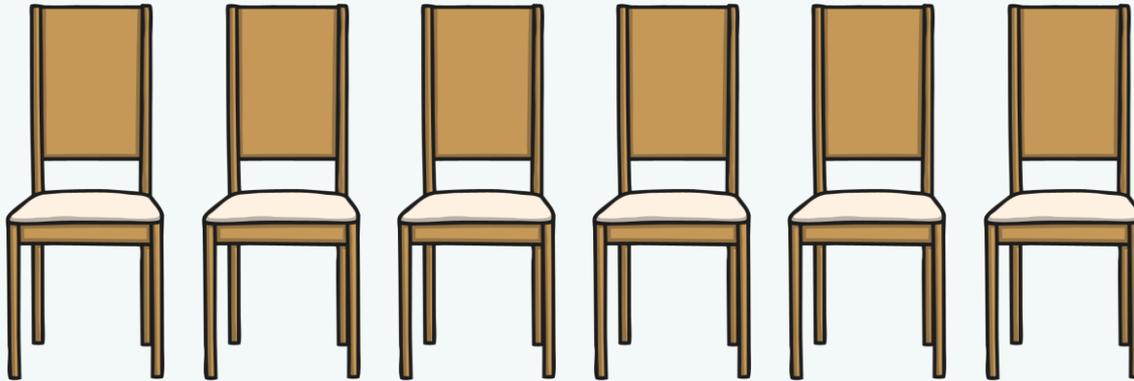
There are 148 tables in school. 5 chairs can fit around each table.

How many chairs are there in total in school?



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How many chairs are there in total in school?



$$148 \times 5 = 740$$

There are 740 chairs.

The waltzer ride at the local fairground can hold 5 people at one time.

How many waltzers are needed so that 415 people can all go on the ride at once?



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How many waltzers are needed so that 415 people can all go on the ride at once?

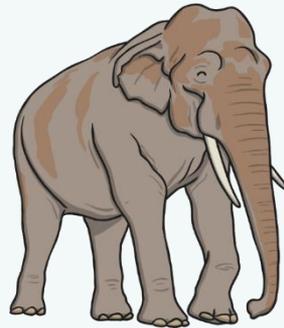


$$415 \div 5 = 83$$

83 waltzers are needed.

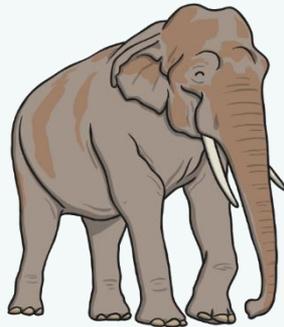
Cuddly toy elephants cost £8 at Torrington Zoo.  
Over the course of one week, 312 children buy an  
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How much money does the zoo make from the sale of  
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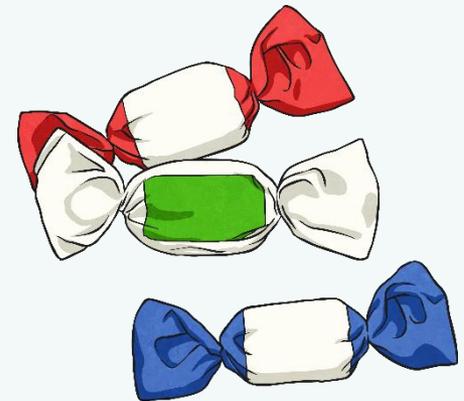
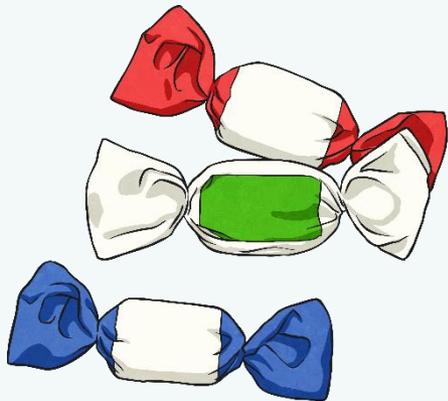


$$8 \times 312 = 2496$$

The zoo makes £2496.

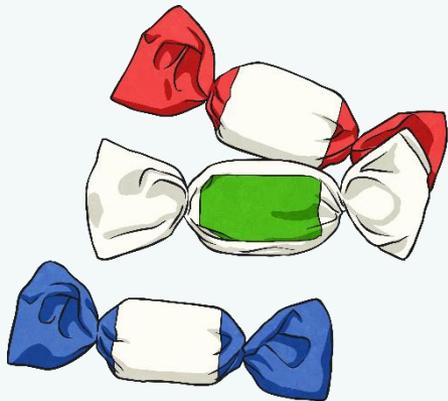
Helen's Mum buys a box of 152 chewy sweets to put in party bags for her friends. There are 8 children coming to the party.

**How many chewy sweets will each child get?**

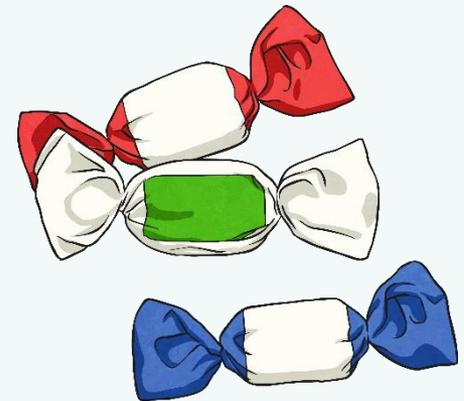


Helen's Mum buys a box of 204 chewy sweets to put in party bags for her friends. There are 6 children coming to the party.

**How many chewy sweets will each child get?**



$$152 \div 8 = 19$$



Each child will get 19 sweets.

# Plenary

Now you are the problem creator!!!

Make your own division or multiplication problem! Share it with your classroom so they can try and solve it!

In your problem include the following numbers:  
992, 8, 124