



DIGITAL SCHOOL

LEARN HERE

Division – Word Problems

Learning Intentions and Success Criteria

L.I. – to solve written maths problems.

Success Criteria

- ✓ I can read (or listen to) the question.
- ✓ I can identify the key words.
- ✓ I can choose the correct calculations to carry out.
- ✓ I can carry out the calculations to solve the problem.

Division – Word Problems

Helpful Hints to solve the problems

Read these problems carefully.

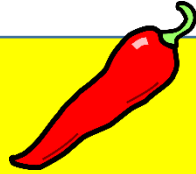
Try to find the key words which give you clues of how to solve the problem.
Just like you do when in class.

Use a piece of paper and pencil to write out your working or use a whiteboard and pen.

You can complete all 3 problems or choose your own chilli challenge level.

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Problem 1

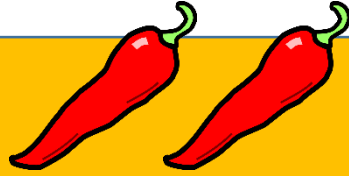


A shop receives a delivery of 192 laptops. There are 8 laptops in each box. How many boxes were delivered to the shop?

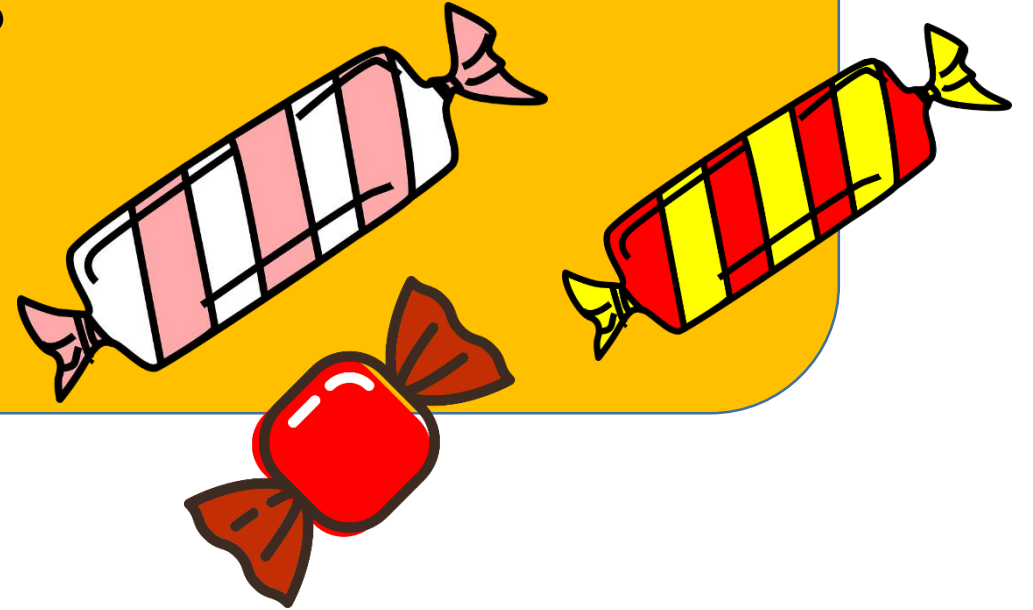
Complete this task on a whiteboard or some paper.



Problem 2

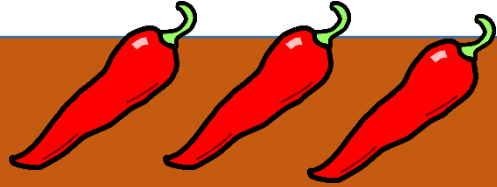


A sweetie factory produces bags of sweets. Each bag contains 8 sweets. How many bags of sweets can they fill each hour if the factory makes 330 sweets every hour? How many sweets will be left over?



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Problem 3



The sweetie factory makes 330 sweets each hour. After a quality check, it is found that 50 sweets cannot be sold as they do not meet the taste standards. How many bags will now be produced during this hour?



Division – Word Problems

Answers on next
page. Do not move
on until you are
ready!



Problem 1

Let's look at how we would solve this problem.

The shop received 192 laptops.

There are 8 laptops in a box.

We need to divide 192 (number of laptops) by 8 (number of laptops in a box)

Calculation

$$192 \div 8 = 24$$

24 boxes were delivered to the shop.

Problem 1

A shop receives a delivery of 192 laptops. There are 8 laptops in each box. How many boxes were delivered to the shop?

Problem 2

Let's look at how we would solve this problem.

The problem has two parts.

- How many bags are filled?
- How many are left over?

There are 8 sweets in a bag.

330 are produced every hour.

We need to divide 330 (the number produced in an hour) by 8 (the number of sweets in a bag).

Calculation

$330 \div 8 = 41 \text{ R } 2$ – 41 bags will be filled in an hour.

The remainder is 2 so two sweets will be left over.

Problem 2

A sweetie factory produces bags of sweets. Each bag contains 8 sweets. How many bags of sweets can they fill each hour if the factory makes 330 sweets every hour? How many sweets will be left over?

Problem 3

Let's look at how we would solve this problem.

The problem has two parts.

- How many sweets are left after some fail the taste check?
- How many bags can you now fill?

330 sweets are produced in the hour but 50 fail the taste check.

We need to take 50 (the number failing the taste check) away from 330 (the number produced in an hour).

Calculation

$$330 - 50 = 280$$

280 sweets are left after the taste check.

Problem 3

The sweetie factory makes 330 sweets each hour. After a quality check, it is found that 50 sweets cannot be sold as they do not meet the taste standards. How many bags will now be produced during this hour?

Problem 3

We now need to calculate how many bags can be filled.

Each bag holds 8 sweets and we have 280 sweets.

We need to divide 280 (the number of sweets) by 8 (the number of sweets in a bag)

Calculation

$$280 \div 8 = 35$$

35 bags can be filled this hour

Problem 3

The sweetie factory makes 330 sweets each hour. After a quality check, it is found that 50 sweets cannot be sold as they do not meet the taste standards. How many bags will now be produced during this hour?

Challenge Time

Well done you have solved lots of Maths division problems.

Here is your challenge. Can you write your own Maths division problem?

Remember to give clear instructions

Think about which Maths key words you need to include e.g. total, divide, calculate, altogether, share

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Division – Word Problems

Now that you have completed the task it is time to self – assess your work.
Let's look back at the Learning Intention and Success Criteria

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- ✓ I can read (or listen to) the question
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- ✓ I can carry out the calculations to solve the problem



I feel confident and can do these independently

I need some more practise and can do some of these independently

I need some help and more practise