

Summer Week 4 - Maths Lesson 2

Can I use table facts to solve
division questions?

Fast five (answers on next page)

1) $175 - 78 =$

2) $371 \times 10 =$

3) $16 \times 9 =$

4) $24 \times 100 =$

5) $80 \times 7 =$

Fast five - Answers

$$1) 175 - 78 = 97$$

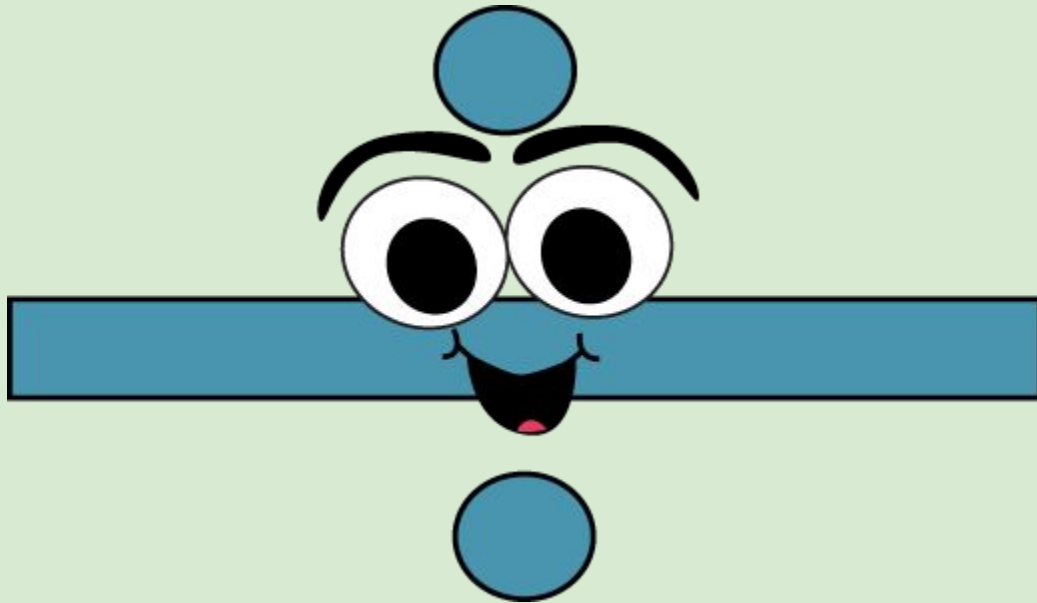
$$2) 371 \times 10 = 3710$$

$$3) 16 \times 9 = 144$$

$$4) 24 \times 100 = 2400$$

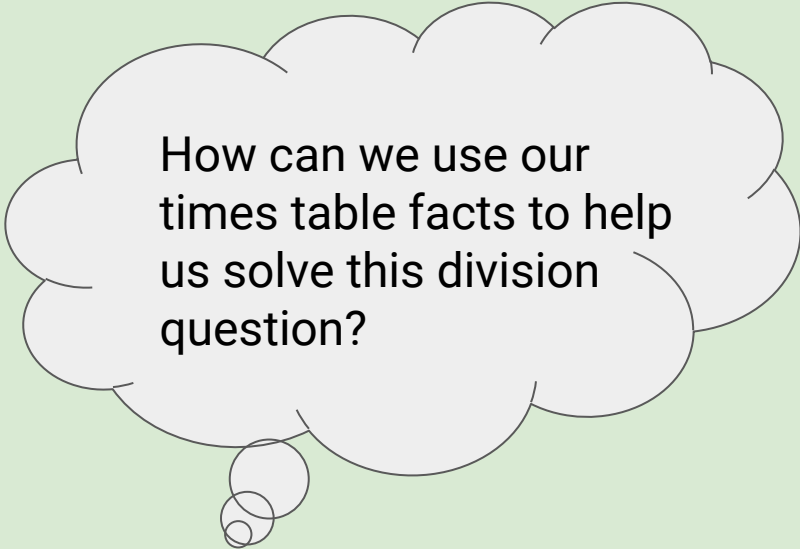
$$5) 80 \times 7 = 560$$

Today we are going to use our times table facts to help us solve division questions!



Let's look at an example:

$$54 \div 9 =$$



How can we use our times table facts to help us solve this division question?

Let's look at an example:

$$\underline{54} \div \underline{9} =$$

We can use our 9 times table facts to help us solve this!

The question is asking us how many times does 9 go into 54.

Let's look at an example:

$$\underline{54} \div \underline{9} =$$

The question is asking us how many times does **9** go into **54**.

Step 1: We can write down our 9 times table facts to remind us until we reach the number in the question (54):

$$1 \times 9 = 9$$

$$2 \times 9 = 18$$

$$3 \times 9 = 27$$

$$4 \times 9 = 36$$

$$5 \times 9 = 45$$

$$6 \times 9 = 54$$

$$7 \times 9 = 63$$

Let's look at an example:

$$\underline{54} \div \underline{9} = 6$$

We can use this times table fact to help us solve this division fact because they are part of the same fact family!

Step 2:

Fact family:

$$6 \times 9 = 54$$

$$9 \times 6 = 54$$

$$54 \div 9 = 6$$

$$54 \div 6 = 9$$

$$1 \times 9 = 9$$

$$2 \times 9 = 18$$

$$3 \times 9 = 27$$

$$4 \times 9 = 36$$

$$5 \times 9 = 45$$

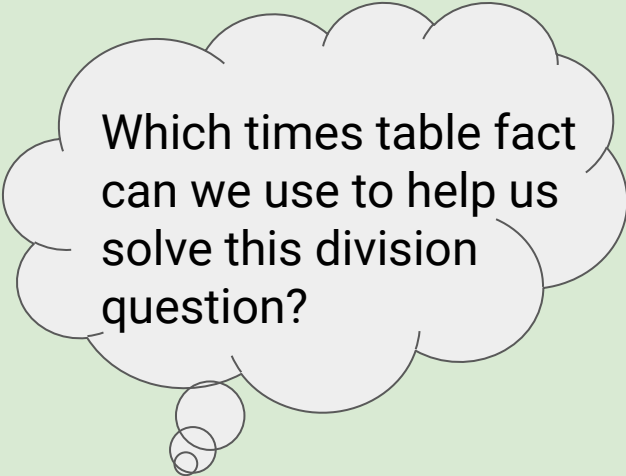
$$6 \times 9 = 54$$

$$7 \times 9 = 63$$

So thanks to our times table facts and the fact family, we know the answer to this division question is 6!

Let's look at another example:

$$\underline{24} \div \underline{6} =$$



Which times table fact
can we use to help us
solve this division
question?

Let's look at another example:

We can use our 6 times table facts!

$$\underline{24} \div \underline{6} =$$

On a piece of scrap paper, write down your 6 times table facts until you reach the number in our division question.

Let's look at another example:

$$\underline{24} \div \underline{6} =$$

$$1 \times 6 = 6$$

$$2 \times 6 = 12$$

$$3 \times 6 = 18$$

$$4 \times 6 = 24$$

Now, write down the fact family for this!

Let's look at another example:

$$\underline{24} \div \underline{6} =$$

Fact family

$$6 \times 4 = 24$$

$$24 \div 4 = 6$$

$$4 \times 6 = 24$$

$$24 \div 6 = 4$$

So the answer to this division question is...

Let's look at another example:

$$\underline{24} \div \underline{6} = 4$$

Fact family

$$6 \times 4 = 24$$

$$24 \div 4 = 6$$

$$4 \times 6 = 24$$

$$24 \div 6 = 4$$

So the answer to this division question is... 4

Try these questions on your own, and we'll go through the answers on the next slides.

1) $30 \div 5 =$

2) $48 \div 6 =$

3) $27 \div 3 =$

Step 1: Write down the times table facts until you reach the number in the division question.

Step 2: Write down the fact family.

Step 3: Find the answer to our division question.

1) $30 \div 5 = 6$

Step 1: Write down the times table facts until you reach the number in the division question.

$$1 \times 5 = 5$$

$$4 \times 5 = 20$$

$$2 \times 5 = 10$$

$$5 \times 5 = 25$$

$$3 \times 5 = 15$$

$$6 \times 5 = 30$$

Step 2: Write down the fact family.

Fact family

$$6 \times 5 = 30$$

$$30 \div 5 = 6$$

$$5 \times 6 = 30$$

$$30 \div 6 = 5$$

Step 3: Find the answer to our division question.

Answer = 6

1) $48 \div 6 = 8$

Step 1: Write down the times table facts until you reach the number in the division question.

$1 \times 6 = 6$

$4 \times 6 = 24$

$7 \times 6 = 42$

$2 \times 6 = 12$

$5 \times 6 = 30$

$8 \times 6 = 48$

$3 \times 6 = 18$

$6 \times 6 = 36$

Step 2: Write down the fact family.

Fact family

$6 \times 8 = 48$

$48 \div 6 = 8$

$8 \times 6 = 48$

$48 \div 8 = 6$

Step 3: Find the answer to our division question.

Answer = 8

1) $27 \div 3 = 9$

Step 1: Write down the times table facts until you reach the number in the division question.

$1 \times 3 = 3$

$4 \times 3 = 12$

$7 \times 3 = 21$

$2 \times 3 = 6$

$5 \times 3 = 15$

$8 \times 3 = 24$

$3 \times 3 = 9$

$6 \times 3 = 18$

$9 \times 3 = 27$

Step 2: Write down the fact family.

Fact family

$9 \times 3 = 27$

$27 \div 3 = 9$

$3 \times 9 = 27$

$27 \div 9 = 3$

Step 3: Find the answer to our division question.

Answer = 9

Your activities:

Think about how confident you feel with using your times table facts to help solve a division question. Choose 1 challenge to do today.

Red - Complete the division questions. The steps and a times table square will be there to support you.

Yellow - Complete the division questions. The steps will be there to support you.

Green - Complete the division questions.