

The 4 times tables

$$2+2=4$$

Fluency



1) Complete the multiplication and division calculations below.

$$24 \div 4 = \square$$

$$\square \times 4 = 44$$

$$\square = 12 \times 4$$

$$40 = \square \times 4$$

$$32 \div \square = 8$$

$$12 \div 4 = \square$$

$$4 \times \square = 0$$

$$1 \times 4 = \square$$

$$36 \div 4 = \square$$

$$\square = 4 \times 2$$

$$5 \times \square = 20$$

The 4 times tables



Explanation

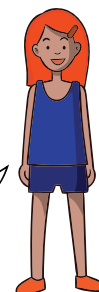


2) Two children are discussing what they think they know about the 4x table.



Elliot

All of the numbers in the 4 times tables are in the 2 times tables.



Ruby

All of the numbers in the 2 times tables are in the 4 times tables.

Only one child is right. Who is it?

Explain how you know

The 4 times tables



3) Marcus uses the numbers 4, 24 and 6 to complete the number sentences below:

$$4 \times 6 = 24$$

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

$$6 \times 4 = 24$$

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

$$4 \div 6 = 24$$

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

$$6 \div 24 = 4$$

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

He has made an error.

Help him correct his mistakes by completing the number sentences correctly.

The 4 times tables



Explanation

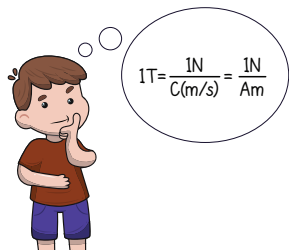


4) Complete the table below.

2 times tables	answer	4 times tables	answer
$5 \times 2 =$		$5 \times 4 =$	
$6 \times 2 =$		$6 \times 4 =$	
$7 \times 2 =$		$7 \times 4 =$	
$8 \times 2 =$		$8 \times 4 =$	
$9 \times 2 =$		$9 \times 4 =$	

Explain how I can use 20×2 to help me solve 20×4 .

The 4 times tables



Problem solving



5) A local shop owner buys 12 boxes of fireworks.

In each box there are 4 fireworks.

He needs 100 fireworks in total.

How many more boxes will he need to buy?

The 4 times tables



Create your own!



6) Create your own word problem for each of the calculations below.

$16 \div 4 = 4$

$8 \times 4 = 32$

Challenge

$7 \times 4 = 28$

$28 - 3 = 25$

The 4 times tables

$$2+2=4$$

Fluency



ANSWERS

1) Complete the multiplication and division calculations below.

$$24 \div 4 = 6$$

$$11 \times 4 = 44$$

$$48 = 12 \times 4$$

$$40 = 10 \times 4$$

$$32 \div 4 = 8$$

$$12 \div 4 = 3$$

$$4 \times 0 = 0$$

$$1 \times 4 = 4$$

$$36 \div 4 = 9$$

$$8 = 4 \times 2$$

$$5 \times 4 = 20$$

The 4 times tables

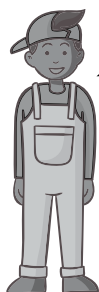


Explanation



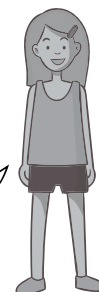
ANSWERS

2) Two children are discussing what they think they know about the 4x table.



Elliot

All of the numbers in the 4 times tables are in the 2 times tables.



Ruby

All of the numbers in the 2 times tables are in the 4 times tables.

Only one child is right. Who is it?

Elliot

Explain how you know

Ruby is not right because 2 is not in the 4 times tables. Every number in the 4 times tables is in the 2 times tables.

The 4 times tables



Spot the error!



ANSWERS

3) Marcus uses the numbers 4, 24 and 6 to complete the number sentences below:

$$4 \times 6 = 24$$

$$6 \times 4 = 24$$

$$6 \times 4 = 24$$

$$4 \times 6 = 24$$

$$4 \div 6 = 24$$

$$24 \div 6 = 4$$

$$6 \div 24 = 4$$

$$24 \div 4 = 6$$

He has made an error.

Help him correct his mistakes by completing the number sentences correctly.

The 4 times tables



Explanation



ANSWERS

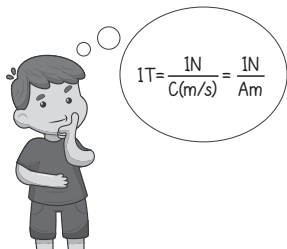
4) Complete the table below.

2 times tables	answer	4 times tables	answer
$5 \times 2 =$	10	$5 \times 4 =$	20
$6 \times 2 =$	12	$6 \times 4 =$	24
$7 \times 2 =$	14	$7 \times 4 =$	28
$8 \times 2 =$	16	$8 \times 4 =$	32
$9 \times 2 =$	18	$9 \times 4 =$	36

Explain how I can use 20×2 to help me solve 20×4 .

Because the 4 times table is double the 2 times table, I can double the answer to 20×2 to find 20×4 . The answer would be 80.

The 4 times tables



Problem solving



ANSWERS

5) A local shop owner buys 12 boxes of fireworks.

In each box there are 4 fireworks.

He needs 100 fireworks in total.

How many more boxes will he need to buy?

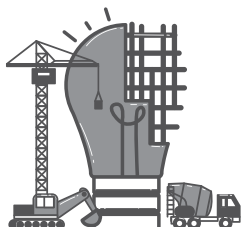
$$12 \times 4 = 48$$

$$100 - 48 = 52$$

$$52 \div 4 = 13$$

13

The 4 times tables



Create your own!



ANSWERS

6) Create your own word problem for each of the calculations below.

$$16 \div 4 = 4$$

e.g Frankie has 16 magic cards. He shares them equally between his four friends. How many would each friend get?

$$8 \times 4 = 32$$

Vicky earns £8 a day for doing a newspaper round. She works for 4 days. How much money does she earn in total?

Challenge

$$7 \times 4 = 28$$

$$28 - 3 = 25$$

Bradley buys 4 boxes of chocolates. Each box has 7 chocolates in it. He eats 3 of them. How many chocolates does he have left?