



Number Sense

multiplication tables

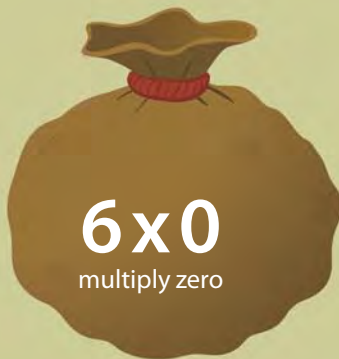
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Do you know the difference between $\times 0$ and $+0$?

Burt the gorilla has hidden the bananas in a bag. One of the bags is empty. Can you find the bag with the bananas?



six lots of nothing
makes nothing

$$6 \times 0 = 0$$

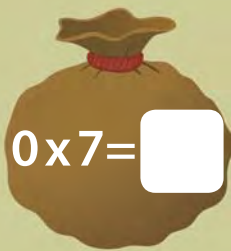


six bananas add no
more still leaves six

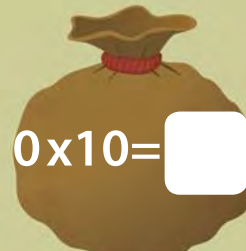
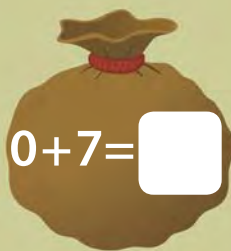
$$6 + 0 = 6$$



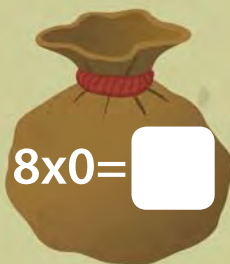
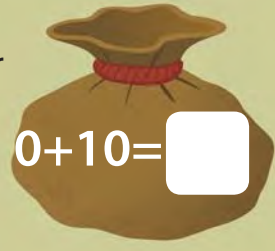
Fill in the answer and pick the bag with the most bananas.



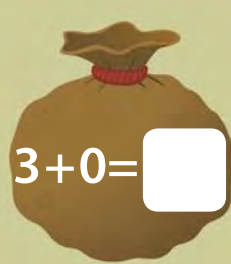
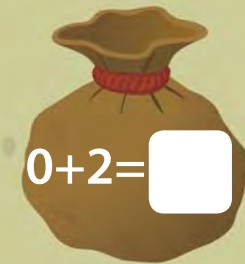
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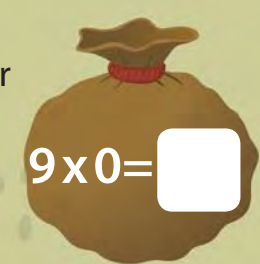
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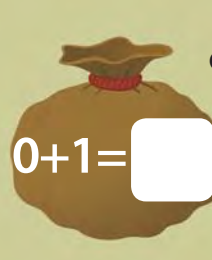
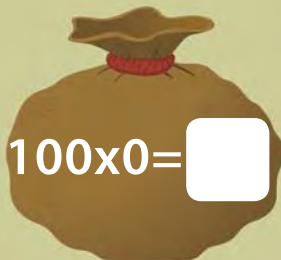
or



or



or



or



The answer is always the bag with $+$ because multiplying zero by any number is always zero.



x0 +0 Speed challenge

Climb the trees before the greedy gorilla.

$0 \times 0 = \square$

$0 \times 4 = \square$

$6 \times 0 = \square$

$0 \times 3 = \square$

$2 \times 0 = \square$

$0 \times 8 = \square$

$0 \times 10 = \square$

$8 \times 0 = \square$

$0 \times 7 = \square$

$5 \times 0 = \square$

$0 \times 9 = \square$

$0 + 0 = \square$

$0 + 4 = \square$

$6 + 0 = \square$

$0 + 3 = \square$

$2 + 0 = \square$

$0 + 8 = \square$

$0 + 10 = \square$

$8 + 0 = \square$

$0 + 7 = \square$

$5 + 0 = \square$

$0 + 9 = \square$



Whenever multiplying zero
the answer is always 0.
Lots of groups of nothing
is still nothing.



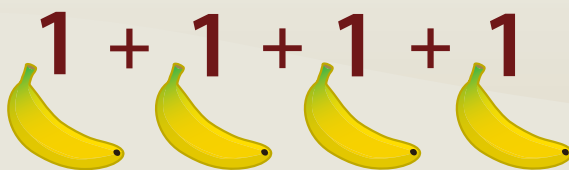
Adding zero has no effect.
The number stays the same.



What does multiply mean?

When you have lots of the same number

e.g.



Four lots of one.

A quicker way of writing this is **4×1**



Learn the language of multiplication

All these different words mean the same as 4×1

4 multiplied by 1

4 times 1

4 lots of 1

4 sets of 1

4 groups of 1

Sometimes no word is used at all, as in **four ones**

The answer is called the

product

4 is the product of 4×1

$$4 \times 1 = 4$$



Do you know the difference between +1 and x1?

Burt the gorilla has hidden all the bananas in the bushes.
Help Minky monkey find the bush that has the most bananas?



six add one more

$$6+1=7$$



one lot of six melons

$$6x1=6$$



Fill in the answer and circle the bush that hides the most bananas.

$$4+1=\square$$

$$4x1=\square$$

or

$$1+8=\square$$

$$1x8=\square$$

or

$$3+1=\square$$

$$3x1=\square$$

or

$$6x1=\square$$

$$6+1=\square$$

or

$$7x1=\square$$

$$1+7=\square$$

or

$$5+1=\square$$

$$1+5=\square$$

or



1x any number stays the same. 1+ any number is always one more.





x1 +1 Speed challenge

Which snake ate the most bananas?

The Adder

$5+1=$

$1+4=$

$8+1=$

$6+1=$

$9+1=$

$1+7=$

$3+1=$

$1+8=$

$1+0=$

$1+9=$

The Multiplier

$1\times 5=$

$1\times 4=$

$8\times 1=$

$6\times 1=$

$9\times 1=$

$1\times 7=$

$3\times 1=$

$1\times 8=$

$1\times 0=$

$1\times 9=$



The Adder ate one more every time.



How much is x10?

Burt the boss gorilla is very greedy. Can you work out how much fruit he has? Count the number of yellow squares to get the answer.



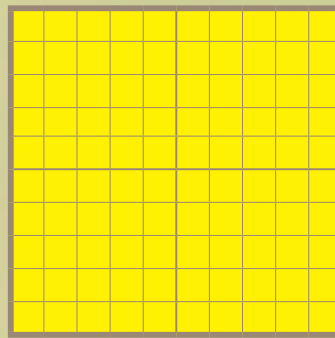
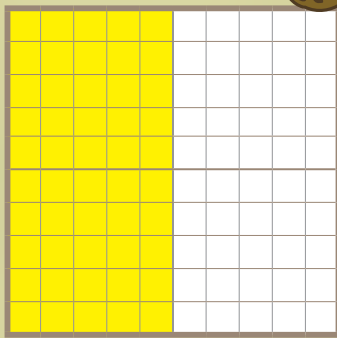
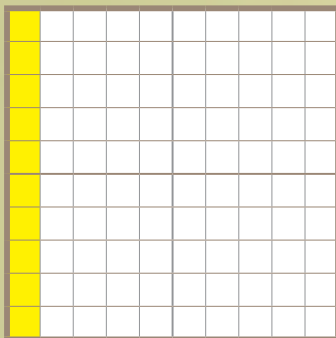
$1 \times 10 = \square$



$5 \times 10 = \square$



$10 \times 10 = \square$



Colour in the number squares shown in the answer.

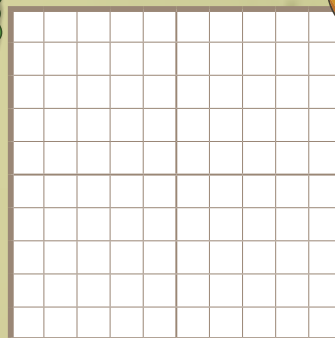
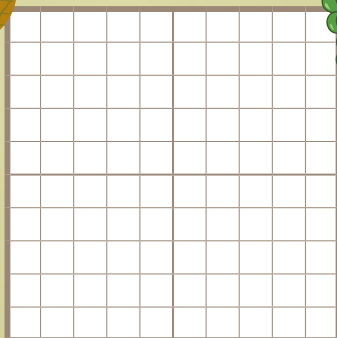
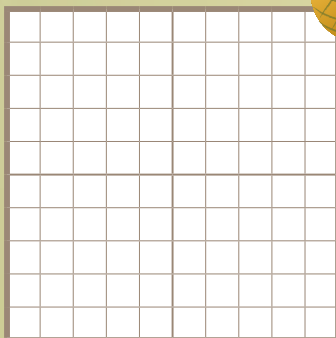
$2 \times 10 = 20$



$4 \times 10 = 40$



$8 \times 10 = 80$



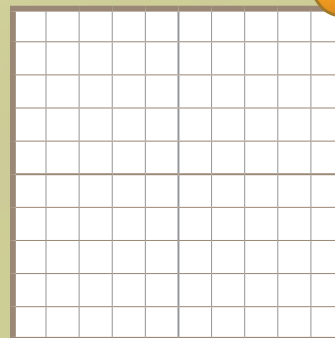
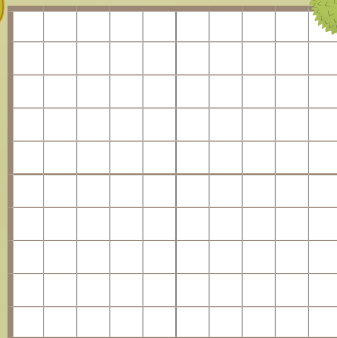
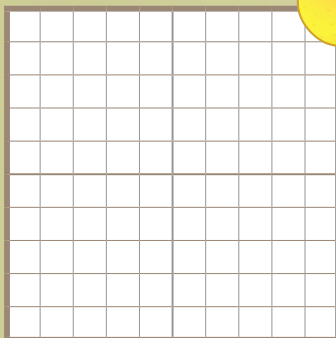
$3 \times 10 = 30$



$6 \times 10 = 60$



$9 \times 10 = 90$



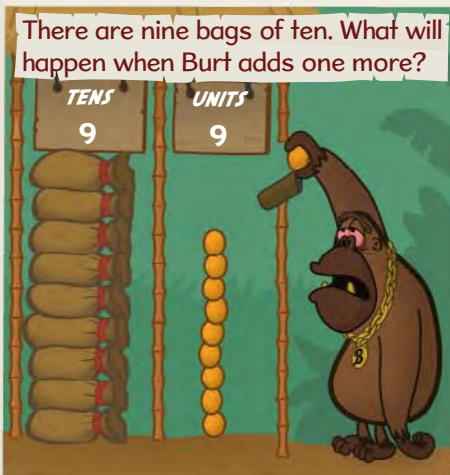


BURT'S PLACE

Burt is counting his oranges.
His counting place has 3 spaces.
Hundreds. Tens. Units.



There are 9 oranges in the Units. What
will happen when Burt adds one more?





x10 Speed challenge

How quickly can you get the carrots to Boss Bunny?

$10 \times 5 = \square$

$3 \times 10 = \square$

$4 \times 10 = \square$

$2 \times 10 = \square$

$10 \times 6 = \square$

$6 \times 10 = \square$

$8 \times 10 = \square$

$10 \times 7 = \square$

$1 \times 10 = \square$

$7 \times 10 = \square$

$9 \times 10 = \square$

$10 \times 10 = \square$

$10 \times 9 = \square$

$10 \times 4 = \square$

$10 \times 3 = \square$

$10 \times 8 = \square$

$0 \times 10 = \square$

$10 \times 2 = \square$

$5 \times 10 = \square$

Time
_____ mins _____ secs



x10 Complete the question

Can you gas the greedy gorilla?

$10 \times \square = 100$

$\square \times 10 = 80$

$\square \times 10 = 50$

$\square \times 10 = 20$

$\square \times 10 = 30$

$\square \times 10 = 90$

$\square \times 10 = 70$

$\square \times 10 = 40$

$\square \times 10 = 60$

$\square \times 10 = 10$

$10 \times \square = 0$

$\square \times 10 = 0$





How many nuts?

There are ten nuts on each tree.



How many nuts are on ...

How many trees have ...

3 trees?

30 nuts?

5 trees?

50 nuts?

7 trees?

70 nuts?

4 trees?

40 nuts?

6 trees?

60 nuts?

10 trees?

100 nuts?

2 trees?

20 nuts?

8 trees?

80 nuts?

9 trees?

90 nuts?



x10 Shirley's purse

How much money has Shirley's got in the purse?



$1 \times 10 = \square$



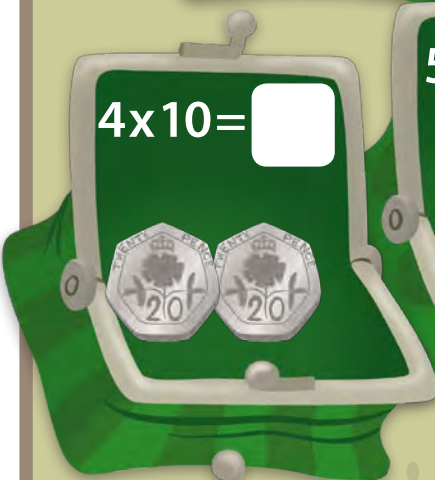
$2 \times 10 = \square$



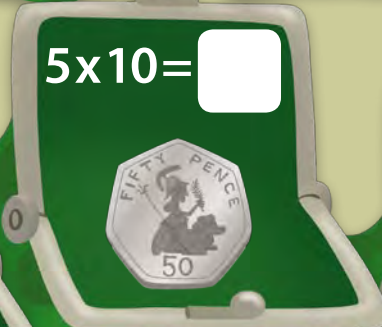
$3 \times 10 = \square$



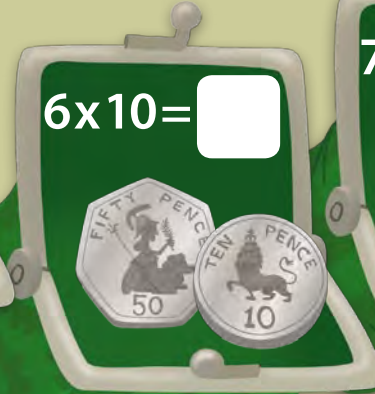
$4 \times 10 = \square$



$5 \times 10 = \square$



$6 \times 10 = \square$



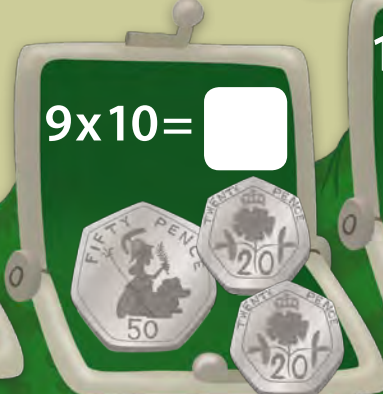
$7 \times 10 = \square$



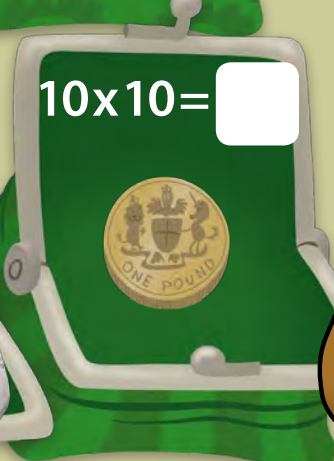
$8 \times 10 = \square$



$9 \times 10 = \square$



$10 \times 10 = \square$





x2 Even numbers

Answers to the 2 times table are all **even numbers**.

Even numbers always end in 2, 4, 6, 8 and 0.

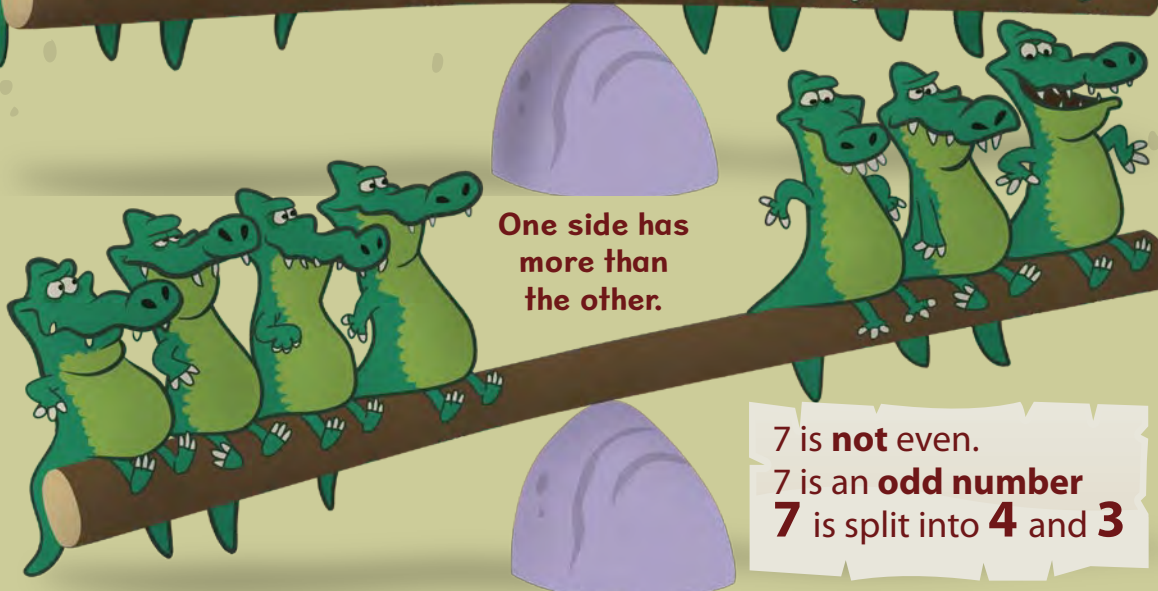


8 is an **even number**

8 can be split into two equal lots of **4**



Both sides
are evenly
balanced.



One side has
more than
the other.

7 is **not** even.

7 is an **odd number**

7 is split into **4** and **3**

Is the number odd or even? Count the dots and write the number in the box.



odd or even



odd or even



odd or even



odd or even



odd or even



odd or even



The number is even when both sides are the same.



x2 Shirley's purse

Shirley has got a new purse. Count Shirley's money.



$1 \times 2 = \square$



$2 \times 2 = \square$



$3 \times 2 = \square$



$4 \times 2 = \square$



$5 \times 2 = \square$



$6 \times 2 = \square$



$7 \times 2 = \square$



$8 \times 2 = \square$



$9 \times 2 = \square$



$10 \times 2 = \square$





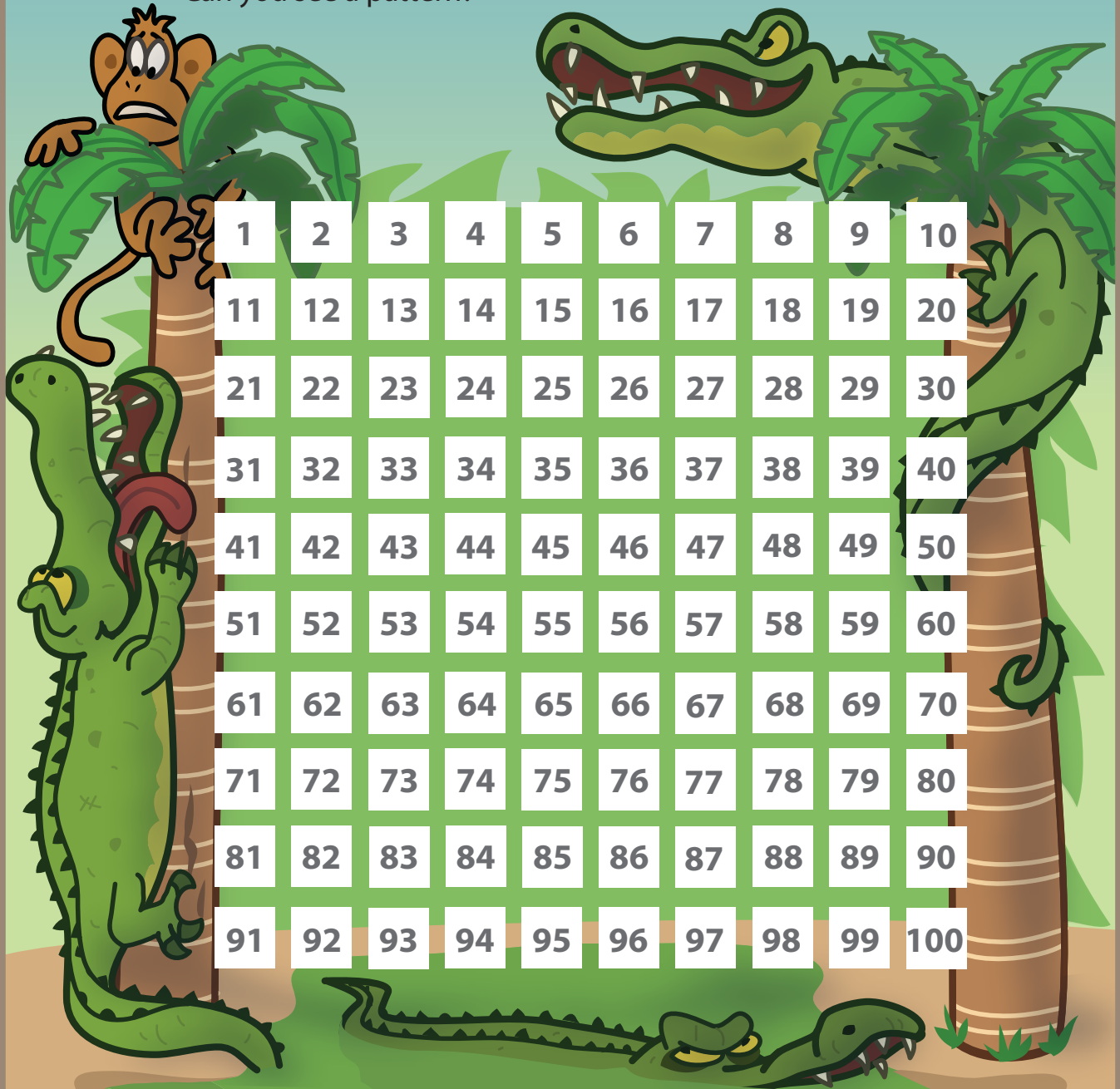
x2 Hungry crocs

Colour in the 2 square.

Count on two more and colour in the square you land on.

Count on in twos until you reach the last number.

Can you see a pattern?



Can you answer this Nessy question?

What do we call numbers that end in 2, 4, 6, 8, and 0?

a) prime numbers

b) even numbers

c) odd numbers

Answer: even numbers



x2 Speed challenge

Can you help Minky save the frog? Fill in the answers to jump over the lillipads.



$1 \times 2 = \square$

$2 \times 1 = \square$

$2 \times 2 = \square$

$3 \times 2 = \square$

$2 \times 3 = \square$

$4 \times 2 = \square$

$2 \times 4 = \square$

$5 \times 2 = \square$

$2 \times 10 = \square$

$2 \times 5 = \square$

$10 \times 2 = \square$

$6 \times 2 = \square$

$7 \times 2 = \square$

$2 \times 6 = \square$

$2 \times 7 = \square$

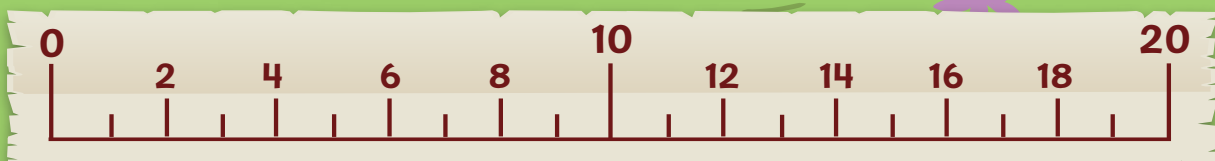
$8 \times 2 = \square$

$2 \times 9 = \square$

$2 \times 8 = \square$

$9 \times 2 = \square$

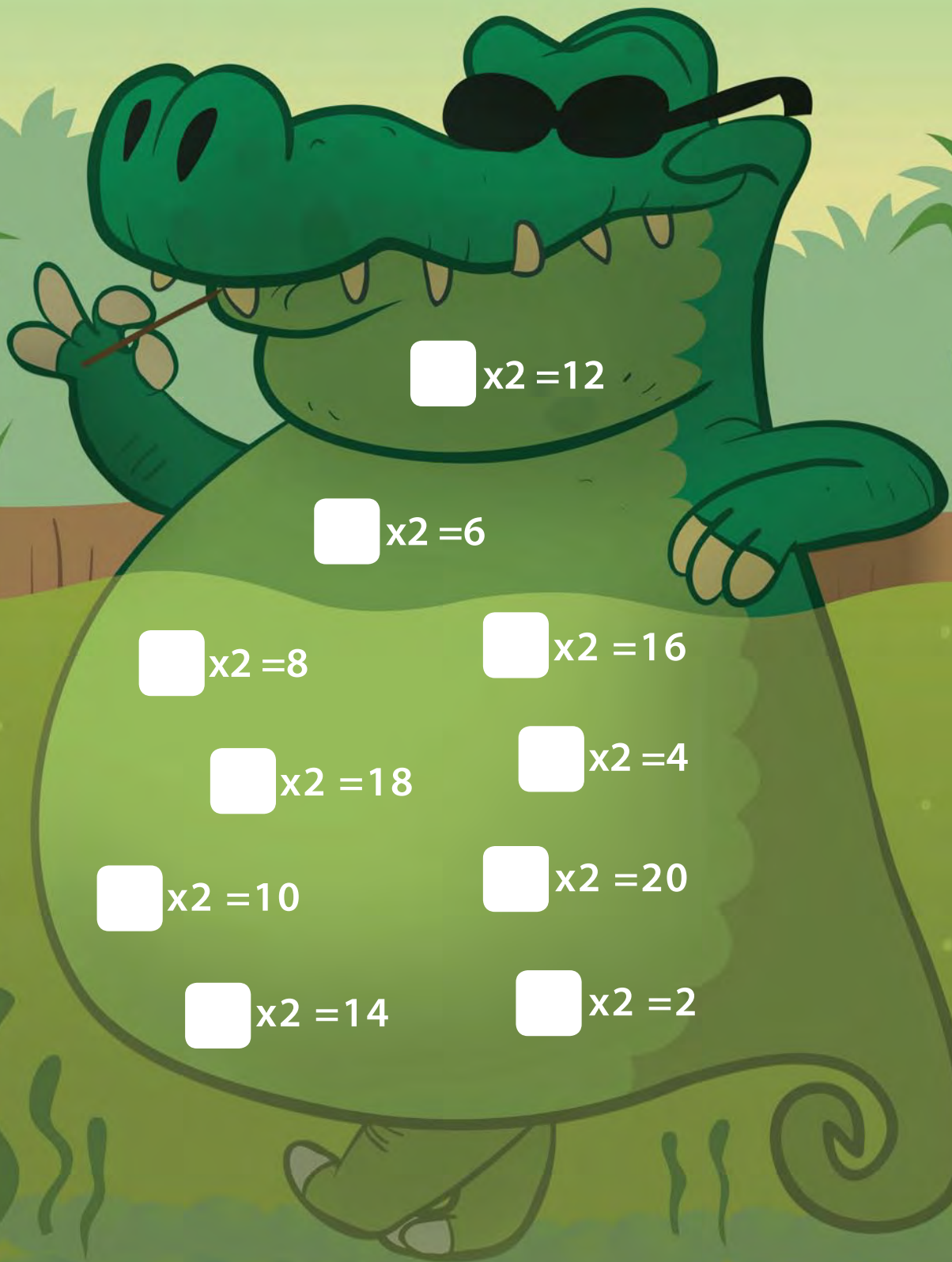
$0 \times 2 = \square$





x2 Complete the question

How many fish has Boss Croc had for lunch?



$$\square \times 2 = 12$$

$$\square \times 2 = 6$$

$$\square \times 2 = 8$$

$$\square \times 2 = 16$$

$$\square \times 2 = 18$$

$$\square \times 2 = 4$$

$$\square \times 2 = 10$$

$$\square \times 2 = 20$$

$$\square \times 2 = 14$$

$$\square \times 2 = 2$$



5 is half of 10



HELP

5



10



Look at the answers to the 10 times table.
Half them to get the answer to the 5 times table.

$$2 \times 10 = 20$$

$$2 \times 5 = \square$$

$$4 \times 10 = 40$$

$$4 \times 5 = \square$$

$$5 \times 10 = 50$$

$$5 \times 5 = \square$$

$$8 \times 10 = 80$$

$$8 \times 5 = \square$$

$$6 \times 10 = 60$$

$$6 \times 5 = \square$$

$$3 \times 10 = 30$$

$$3 \times 5 = \square$$

$$9 \times 10 = 90$$

$$9 \times 5 = \square$$

$$10 \times 10 = 100$$

$$10 \times 5 = \square$$

$$0 \times 10 = 0$$

$$0 \times 5 = \square$$

$$7 \times 10 = 70$$

$$7 \times 5 = \square$$



HELP

Half of nothing
is still nothing.



How long has Burt been trying to catch the green parrot?

Knowing the 5 times table can help you tell the time.

The number being pointed to is multiplied by 5.



$2 \times 5 = \square$



$3 \times 5 = \square$



$4 \times 5 = \square$



$5 \times 5 = \square$



$6 \times 5 = \square$



$7 \times 5 = \square$



$8 \times 5 = \square$



$9 \times 5 = \square$



$10 \times 5 = \square$



$11 \times 5 = \square$



$12 \times 5 = \square$





x5 Giant hippo

Colour in the 5 square.

Count on five more and colour in the square you land on.

Count on in fives until you reach the last number.

Can you see a pattern?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Can you answer this Nessy question?

The answers to the 5 times table all end with the same two numbers.
Do you know which numbers?

a) 5 and 0

b) 2 and 0

c) 4 and 8

Answer: 5 and 0



x5 Speed challenge

Get to the bananas in 2 minutes or less to beat the greedy gorilla.





Time
_____ mins _____ secs





Doubling 2 makes 4

To double, add the same amount again to make twice as many.

 2 is doubled to 4 

Look at the answer to the 2 times table.
Double it. This is the answer to the 4 times table.

$10 \times 2 = 20$

$10 \times 4 = \square$

$3 \times 2 = 6$

$3 \times 4 = \square$

$6 \times 2 = 12$

$6 \times 4 = \square$

$9 \times 2 = 18$

$9 \times 4 = \square$

$8 \times 2 = 16$

$8 \times 4 = \square$

$5 \times 2 = 10$

$5 \times 4 = \square$

$4 \times 2 = 8$

$4 \times 4 = \square$

$7 \times 2 = 14$

$7 \times 4 = \square$

$1 \times 2 = 2$

$1 \times 4 = \square$

$2 \times 2 = 4$

$2 \times 4 = \square$





x4 Turtle waters

Colour in the 4 square.

Count on four more and colour in the square you land on.


Count on in fours until you reach the last number.

Can you see a pattern?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Can you answer this Nessy question?



Doubling 2  makes 4 

$$6 \times 2 = 12$$

What is 6×4 ?

a) 20

b) 24

c) 28

Answer: doubling 12 makes 24



x4 Speed challenge

Help the baby turtles get to the sea.
How fast is your turtle?

$4 \times 4 = \square$

$10 \times 4 = \square$

$3 \times 4 = \square$

$2 \times 4 = \square$

$7 \times 4 = \square$

$0 \times 4 = \square$

$5 \times 4 = \square$

$4 \times 3 = \square$

$4 \times 2 = \square$

$6 \times 4 = \square$

$4 \times 6 = \square$

$9 \times 4 = \square$

$4 \times 5 = \square$

$4 \times 8 = \square$

$4 \times 7 = \square$

$8 \times 4 = \square$

$4 \times 10 = \square$

$1 \times 4 = \square$

$4 \times 9 = \square$



Turtle Time

_____ mins _____ secs



How many beach critters?

Each sand dune is home to 4 beach critters.

How many beach critters
would you find on ...

How many sand dunes do
you go to to see ...

2 sand dunes?

8 critters?

5 sand dunes?

20 critters?

10 sand dunes?

40 critters?

9 sand dunes?

36 critters?

1 sand dune?

4 critters?

7 sand dunes?

28 critters?

4 sand dunes?

16 critters?

3 sand dunes?

12 critters?

6 sand dunes?

24 critters?

