



Number Sense

multiplication tables

2





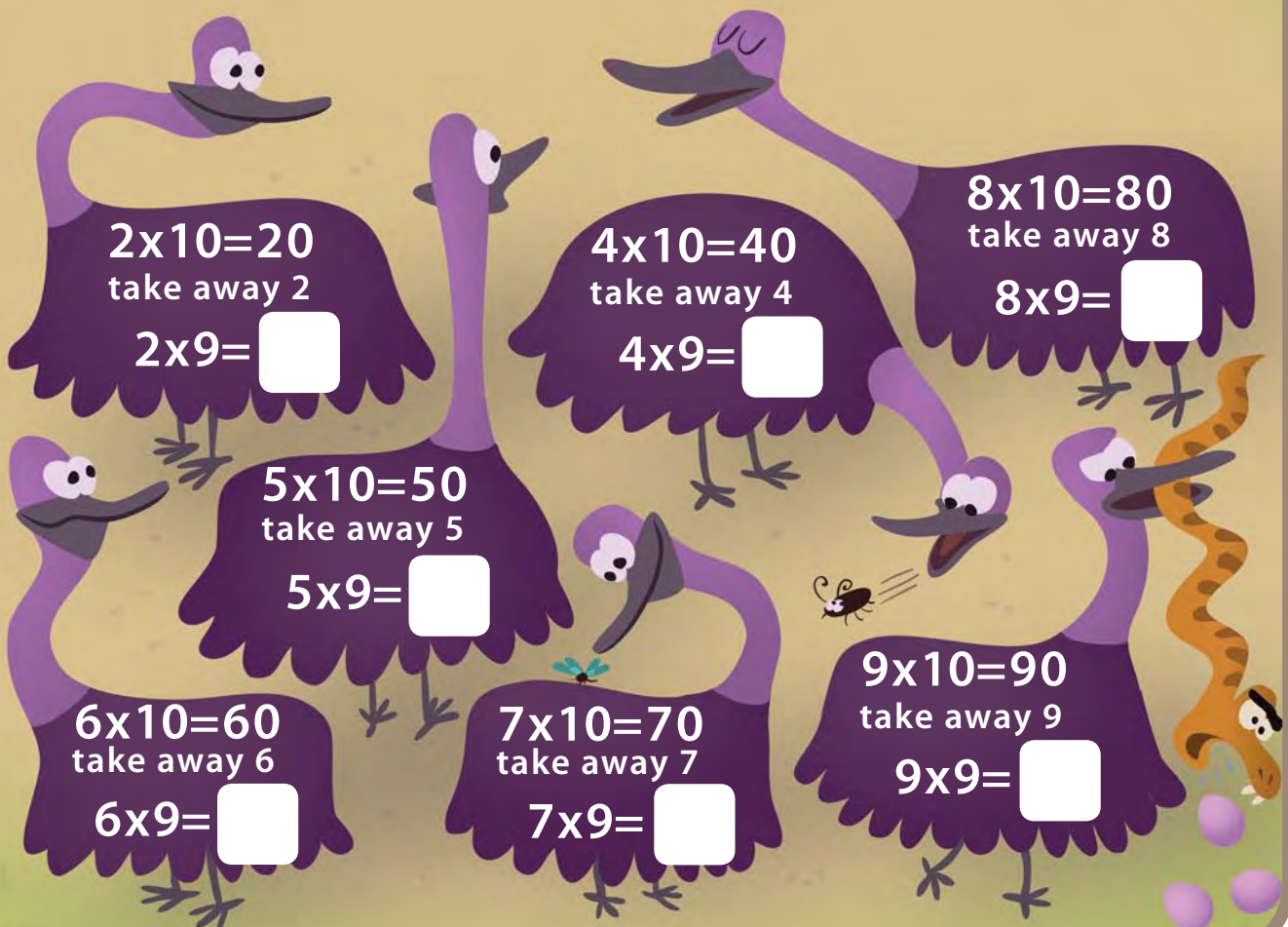
9 is 1 less than 10



10 is easier to use than 9, work out the answer in 10s
then take away 1 from each 10 to get the answer in 9s.



$3 \times 10 = 30$
take away 3
 $3 \times 9 = 27$





x9 Giant egg

Colour in the 9 square.

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

Count on in nines 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? What is 7×9 ?

The two digits of the answer always add up to 9,
as in $2 \times 9 = 18$ and $1 + 8 = 9$

Add up the digits below to see which one makes 9.

a) 63

b) 71

c) 73

Answer: $7 \times 9 = 63$



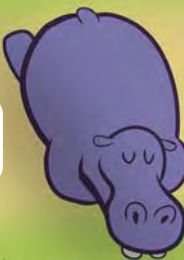


x9 Speed challenge

The race is on! Fill in the answers as quickly as you can.

 $1 \times 9 = \square$

$9 \times 1 = \square$

 $9 \times 2 = \square$

$3 \times 9 = \square$

$9 \times 4 = \square$

 $4 \times 9 = \square$

$9 \times 3 = \square$

$9 \times 5 = \square$

 $5 \times 9 = \square$

$10 \times 9 = \square$

 $9 \times 10 = \square$

$6 \times 9 = \square$

 $9 \times 6 = \square$

 $9 \times 8 = \square$

$8 \times 9 = \square$

$7 \times 9 = \square$

$9 \times 7 = \square$

$9 \times 0 = \square$

$0 \times 9 = \square$

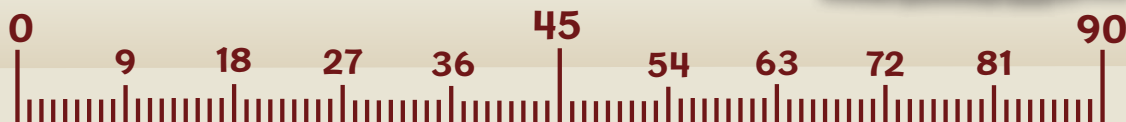
 $9 \times 9 = \square$



Finish

Time

_____ mins _____ secs





x9 Complete the question

Answer all the boulders to escape?



The missing number is always one more than the first digit of the answer.

$$5 \times 9 = 45$$

$$\square \times 9 = 27$$

$$\square \times 9 = 81$$

$$\square \times 9 = 54$$

$$\square \times 9 = 90$$

$$\square \times 9 = 45$$

$$\square \times 9 = 63$$

$$\square \times 9 = 36$$

$$\square \times 9 = 18$$




x3 Hungry giraffes

Colour in the 3 square.

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

Count on in threes 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?

2   add 1  makes 3   

Add the answers of the 2 and 1 times table to get the 3 times table.

$6 \times 2 = 12$ and $6 \times 1 = 6$

What is 6×3 ?

a) 18

b) 19

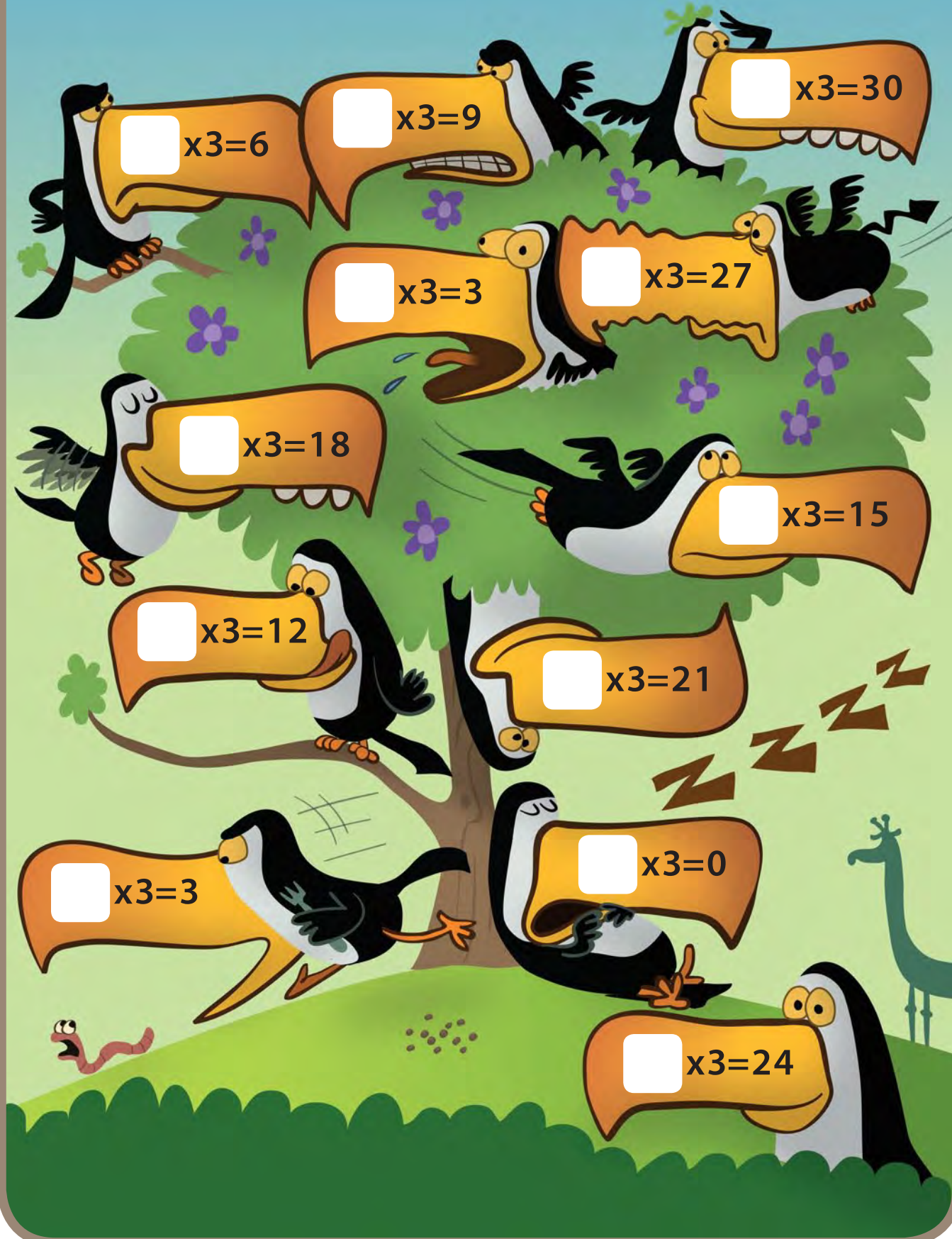
c) 20

Answer: $12 + 6 = 18$



x3 Complete the question

Which toucan has eaten the most seed?





Doubling 3 makes 6



3 is doubled to 6



3 dinos are doubled to 6 dinos

Double the answer to the 3 times table to get the answer to the 6 times table.

$10 \times 3 = 30$

$10 \times 6 = \square$

$2 \times 3 = 6$

$2 \times 6 = \square$

$4 \times 3 = 12$

$4 \times 6 = \square$

$5 \times 3 = 15$

$5 \times 6 = \square$

$8 \times 3 = 24$

$8 \times 6 = \square$

$6 \times 3 = 18$

$6 \times 6 = \square$

$7 \times 3 = 21$

$7 \times 6 = \square$

$3 \times 3 = 9$

$3 \times 6 = \square$

$9 \times 3 = 27$

$9 \times 6 = \square$



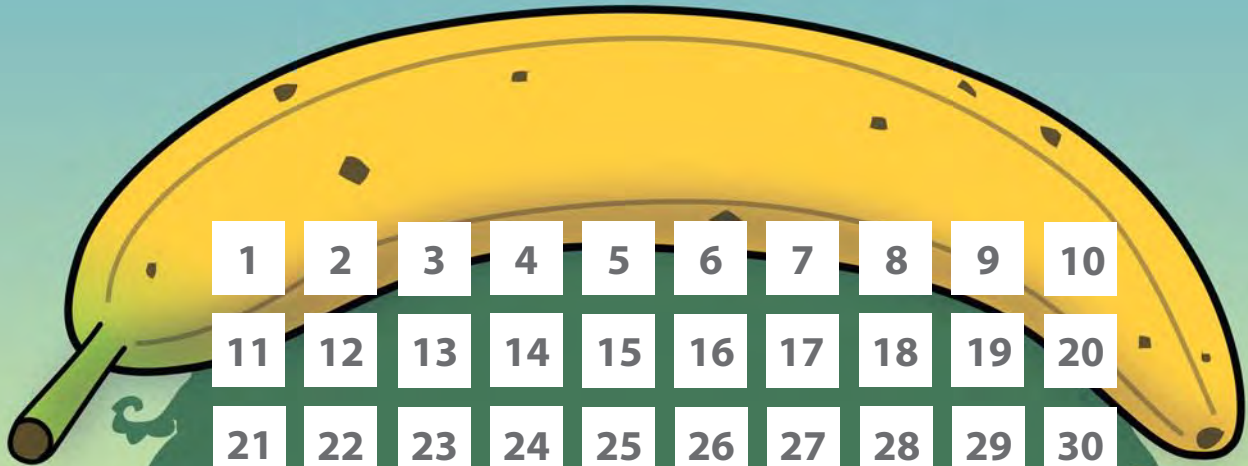
x6 Giant banana

Colour in the 6 square.

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

Count on in sixes 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?

5 add 1 makes 6

Add the answers of the 5 and 1 times table to get the 6 times table.

$4 \times 5 = 20$ and $4 \times 1 = 4$

What is 4×6 ?

a) 10

b) 24

c) 46

Answer: $20 + 4 = 24$



x6 Speed challenge

Get to the top of each dino as quickly as you can.

$0 \times 6 = \square$

$5 \times 6 = \square$

$6 \times 5 = \square$

$10 \times 6 = \square$

$6 \times 10 = \square$

$3 \times 6 = \square$

$6 \times 3 = \square$

$6 \times 6 = \square$

$6 \times 6 = \square$

$9 \times 6 = \square$

$9 \times 6 = \square$

$2 \times 6 = \square$

$6 \times 2 = \square$

$4 \times 6 = \square$

$6 \times 4 = \square$

$7 \times 6 = \square$

$6 \times 7 = \square$

$8 \times 6 = \square$

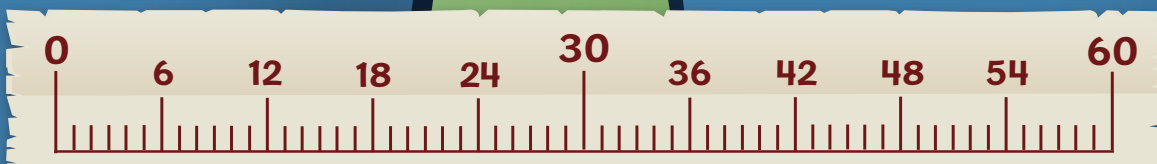
$6 \times 8 = \square$

$1 \times 6 = \square$

$6 \times 1 = \square$

Time

_____ mins _____ secs





Dinos eat flowers

There are 6 flowers on each plant.

How many flowers on ...

How many plants are
needed to eat ...

2 plants?

12 flowers?

4 plants?

24 flowers?

8 plants?

48 flowers?

10 plants?

60 flowers?

5 plants?

30 flowers?

7 plants?

42 flowers?

9 plants?

54 flowers?

6 plants?

36 flowers?

3 plants?

18 flowers?



x7 Lazy Burt

Colour in the 7 square.

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

Count on in sevens 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?

5  add 2  makes 7 

Add the answers of the 5 and 2 times table to get the 7 times table.

$4 \times 5 = 20$ and $4 \times 2 = 8$

What is 4×7 ?

a) 11

b) 27

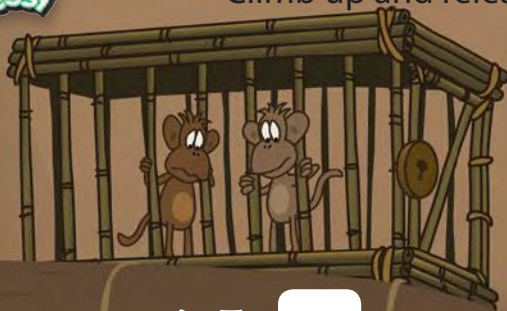
c) 28

Answer: $20 + 8 = 28$ $4 \times 7 = 28$



x7 Speed challenge

Climb up and release the monkeys without waking Burt.



$1 \times 7 = \square$

$9 \times 7 = \square$

$6 \times 7 = \square$

$3 \times 7 = \square$

$8 \times 7 = \square$

$4 \times 7 = \square$

$2 \times 7 = \square$

$10 \times 7 = \square$

$5 \times 7 = \square$

$0 \times 7 = \square$



$7 \times 1 = \square$

$7 \times 8 = \square$

$7 \times 6 = \square$

$7 \times 3 = \square$

$7 \times 8 = \square$

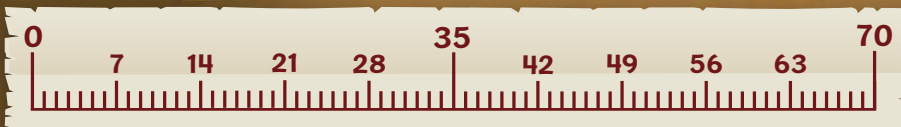
$7 \times 4 = \square$

$7 \times 2 = \square$

$7 \times 10 = \square$

$7 \times 5 = \square$

$7 \times 0 = \square$



Time

_____ mins _____ secs



x7 complete the question
Climb up the trees to escape the lion.

$\times 7 = 56$

$\times 7 = 32$

$\times 7 = 14$

$\times 7 = 35$

$\times 7 = 42$

$\times 7 = 7$

$\times 7 = 63$

$\times 7 = 49$

$\times 7 = 28$

$\times 7 = 0$

$\times 7 = 70$

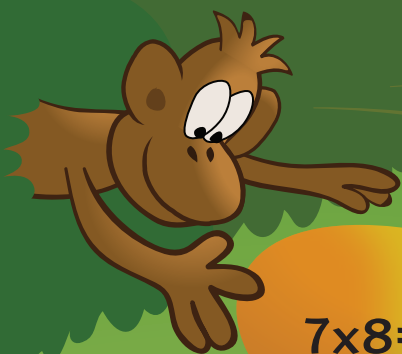
$\times 7 = 21$





Mixed multiplication challenge

Bombard Burt with all the mangos.



$6 \times 6 = \square$

$7 \times 8 = \square$

$3 \times 8 = \square$

$7 \times 6 = \square$

$4 \times 9 = \square$

$7 \times 4 = \square$

$5 \times 9 = \square$

$5 \times 7 = \square$

$6 \times 8 = \square$

$9 \times 9 = \square$

$3 \times 9 = \square$

$9 \times 7 = \square$

$8 \times 8 = \square$

$6 \times 4 = \square$

$8 \times 4 = \square$

$7 \times 3 = \square$

$6 \times 9 = \square$

$7 \times 7 = \square$

$8 \times 9 = \square$

$3 \times 6 = \square$





Double then double again

2 is doubled to 4

4 is doubled to 8

You can work out the answers to the 8 times table from the 2 times table.

double double

$$2 \times 2 = 4 \quad 2 \times 4 = \square \quad 2 \times 8 = \square$$

double double

$$3 \times 2 = 6 \quad 3 \times 4 = \square \quad 3 \times 8 = \square$$

double double

$$4 \times 2 = 8 \quad 4 \times 4 = \square \quad 4 \times 8 = \square$$

double double

$$5 \times 2 = 10 \quad 5 \times 4 = \square \quad 5 \times 8 = \square$$

double double

$$6 \times 2 = 12 \quad 6 \times 4 = \square \quad 6 \times 8 = \square$$

double double

$$7 \times 2 = 14 \quad 7 \times 4 = \square \quad 7 \times 8 = \square$$

double double

$$8 \times 2 = 16 \quad 8 \times 4 = \square \quad 8 \times 8 = \square$$

double double

$$9 \times 2 = 18 \quad 9 \times 4 = \square \quad 9 \times 8 = \square$$

double double

$$10 \times 2 = 20 \quad 10 \times 4 = \square \quad 10 \times 8 = \square$$



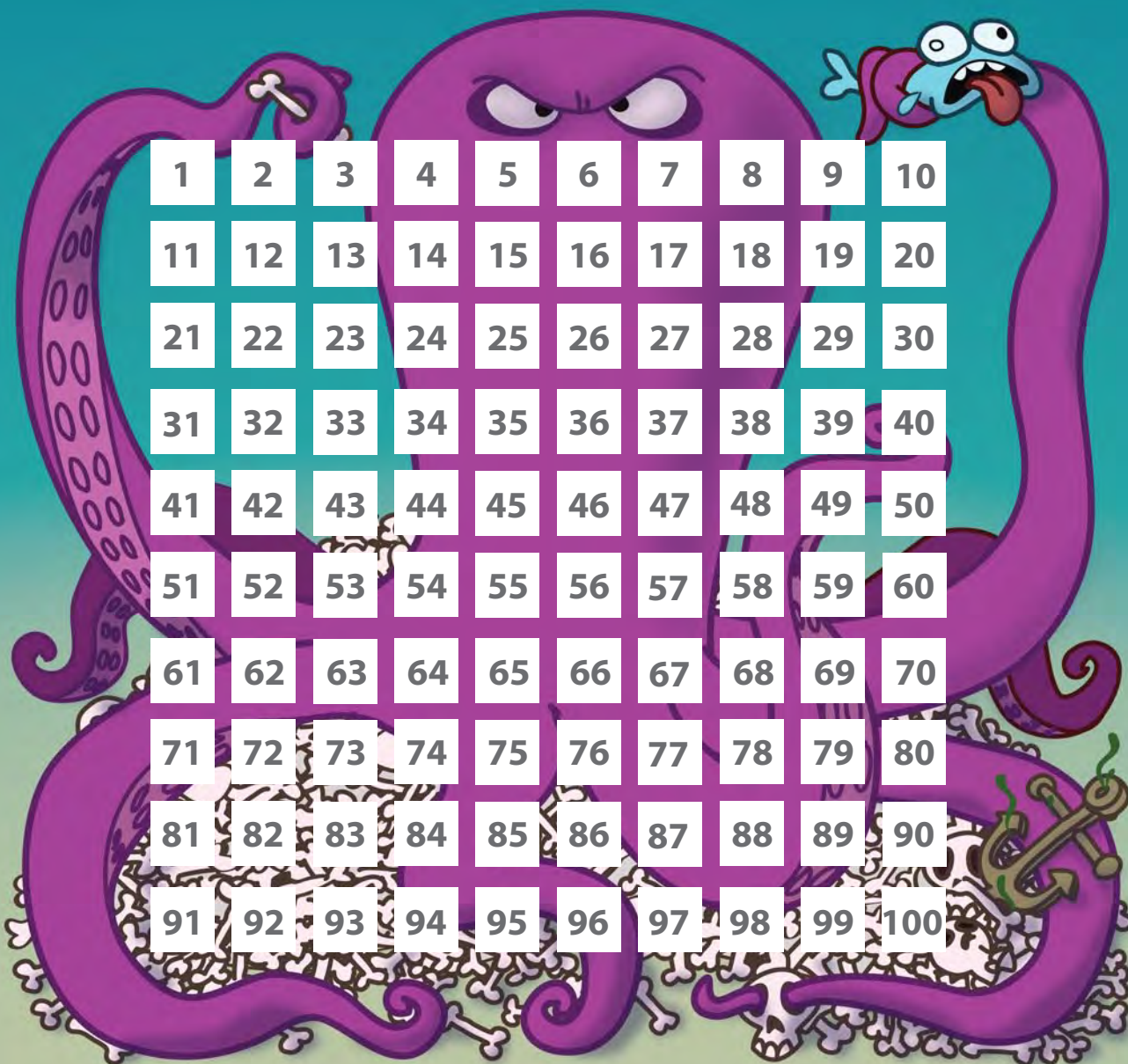
x8 Giant octopus

Colour in the 8 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?



Can you answer this Nessy question?

Doubling 2  makes 4  Doubling 4 makes 8 

$6 \times 2 = 12$ $6 \times 4 = 24$

What is 6×8 ?

a) 24

b) 48

c) 64

Answer: doubling 24 makes 48 $6 \times 8 = 48$



x8 Speed challenge

How quickly can Nessy swim to the treasure chest?

$10 \times 8 = \square$

$5 \times 8 = \square$

$3 \times 8 = \square$

$8 \times 7 = \square$

$7 \times 8 = \square$

$8 \times 5 = \square$

$1 \times 8 = \square$

$8 \times 8 = \square$

$7 \times 8 = \square$

$9 \times 8 = \square$

$8 \times 9 = \square$

$0 \times 8 = \square$

$8 \times 6 = \square$

$6 \times 8 = \square$

$2 \times 8 = \square$

$8 \times = \square$

$4 \times 8 = \square$

$8 \times 0 = \square$



Time

_____ mins _____ secs



x8 Complete the question

Help Miss Fish collect the starfish on the beach.



$\times 8 = 32$



$\times 8 = 16$



$\times 8 = 40$



$\times 8 = 80$



$\times 8 = 72$



$\times 8 = 24$



$\times 8 = 8$



$\times 8 = 56$



$\times 8 = 48$




$\times 8 = 64$






Using a tables square

This is a **tables square**. If you don't have a calculator you can use a tables square to get the answer to a multiplication fact.



1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100




To find the answer to 7×8

- 1 Go along the top row to 7
- 2 Go down the first column to 8
- 3 Go down from 7 and across from 8 until they meet at 56.
 $7 \times 8 = 56$



Making a table square is a good way to learn multiplication facts. Copy the table above. Fill in the key multiplication facts first. $\times 1$, $\times 10$, $\times 2$, $\times 5$. Then fill in the remaining times table in turn.

	$\times 1$	$\times 2$		$\times 5$		$\times 10$
$\times 1$						
$\times 2$						
$\times 5$						
$\times 10$						

See how quickly you can fill in the square.

_____ mins _____ secs



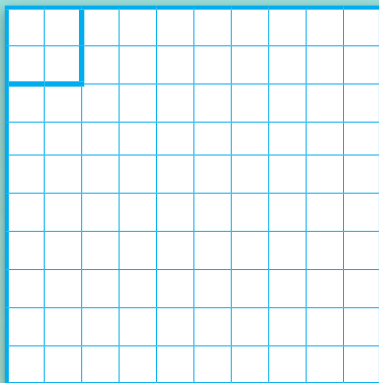
Square numbers



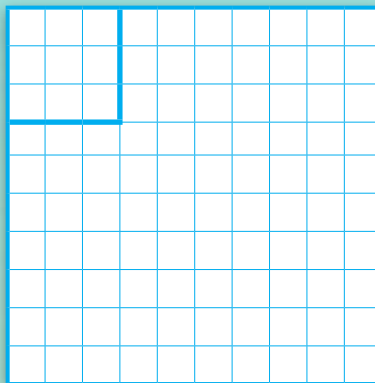
A number multiplied by its self, e.g. **1x1** makes a perfect square when shown on a grid. These are called **square numbers**.

Fill in the answers and colour in the matching number squares.

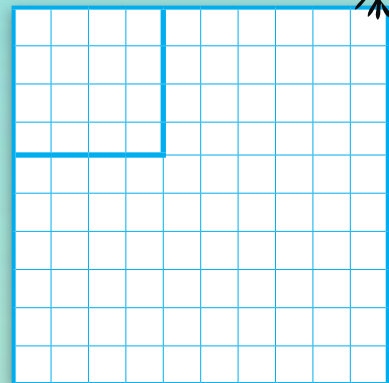
$2 \times 2 = \square$



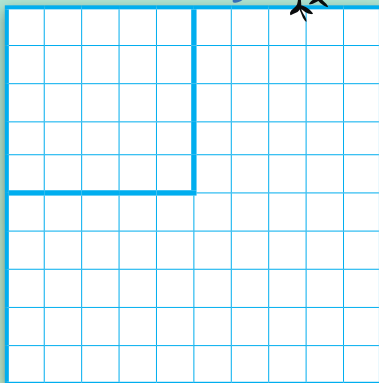
$3 \times 3 = \square$



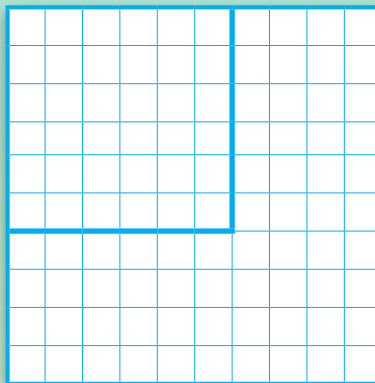
$4 \times 4 = \square$



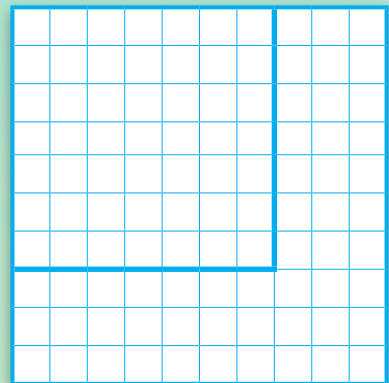
$5 \times 5 = \square$



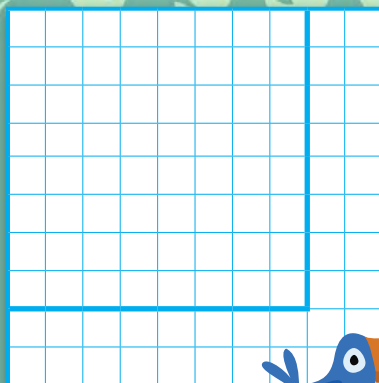
$6 \times 6 = \square$



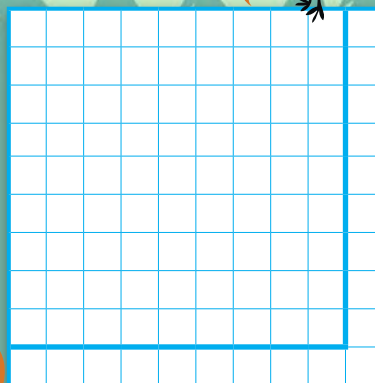
$7 \times 7 = \square$



$8 \times 8 = \square$



$9 \times 9 = \square$



$10 \times 10 = \square$

