

Finding More or Less Snake Stripes

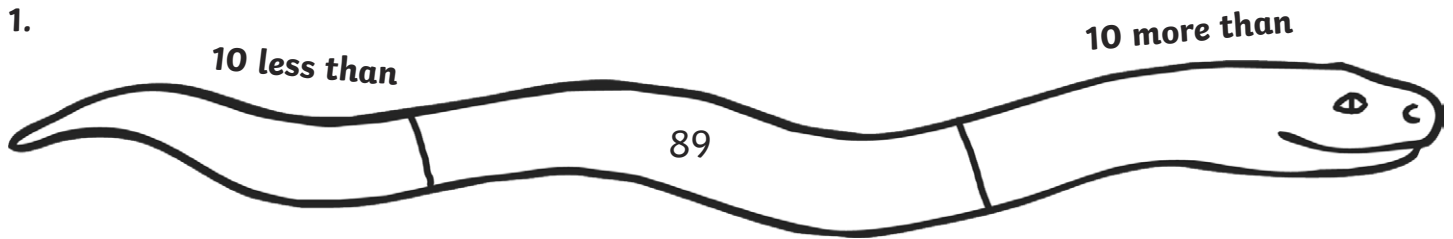
To find 10 and 100 more or less than a given number.



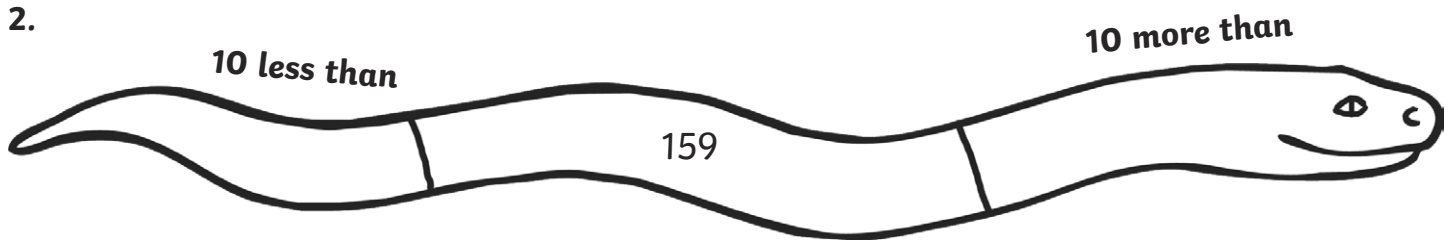
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Fill in the missing numbers:

1.



2.



3.



4.



5.





Finding More or Less Snake Stripes

6. **100 less than** 155 **100 more than**

7. **100 less than** 898 **100 more than**

8. **100 less than** 903 **100 more than**

9. **100 less than** 472 **100 more than**

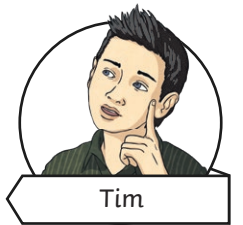
10. **100 less than** 99 **100 more than**

11. Who is right? Explain why you think this.



My number is 100 more than 368. I have the greater number.

My number is 10 less than 478. I have the greater number.



Finding More or Less Snake Stripes Answers



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1.	79	89	99
2.	149	159	169
3.	193	203	213
4.	57	67	77
5.	110	120	130
6.	55	155	255
7.	798	898	998
8.	803	903	1003
9.	272	372	472
10.	99	199	299

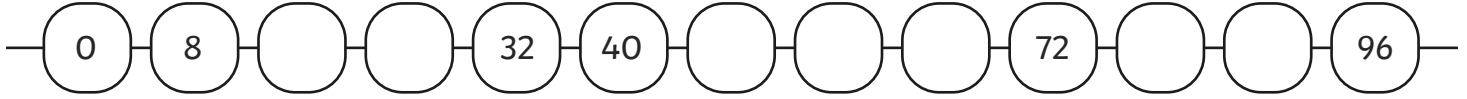
11. **Neither are correct, as both numbers are the same. 100 more than 368 is 468 and 10 less than 478 is 468.**

Multiples of Eight Jewellery

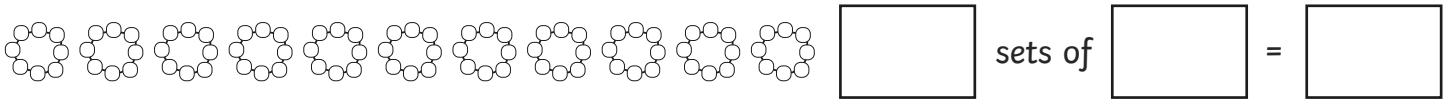
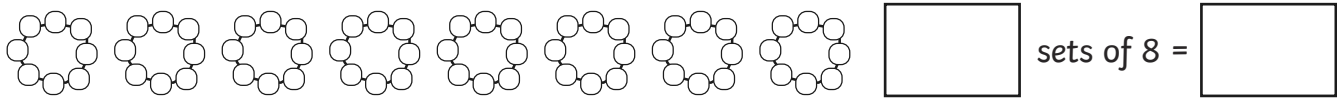
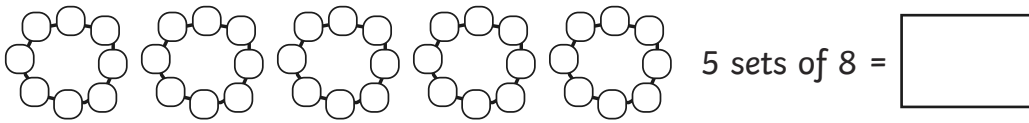
To count in multiples of eight.



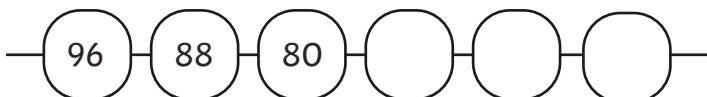
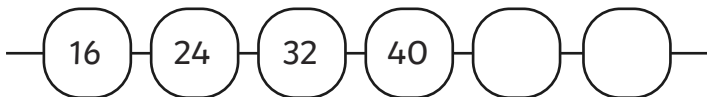
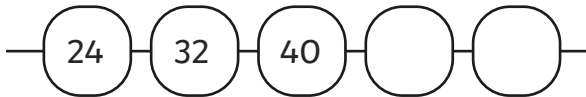
1. Oh no! Frederick has forgotten to include some of the numbered beads in his bracelet. Can you fill in the missing numbers?



There are 8 beads in each bracelet. How many beads are there altogether?



2. Some of Frederick's friends are making bracelets too. What are the next multiples of 8 in their bracelets?



3. Draw your own bracelet with multiples of 8. Start at any multiple of 8 and either count forwards or backwards.



Multiples of Eight Jewellery Answers



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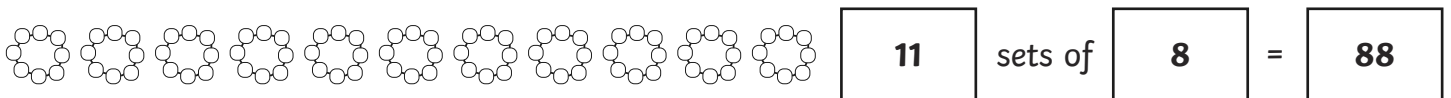
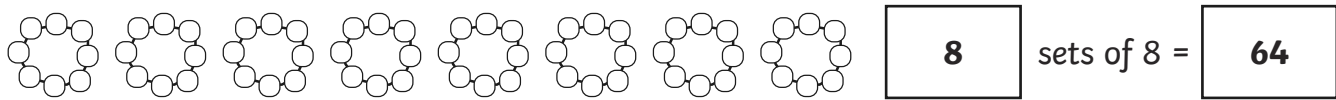
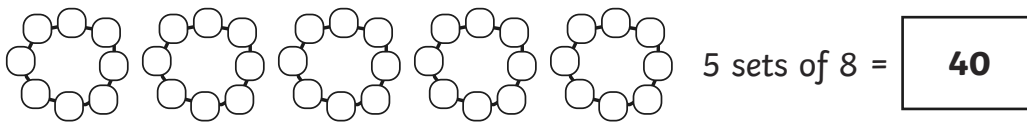
To count in multiples of eight.



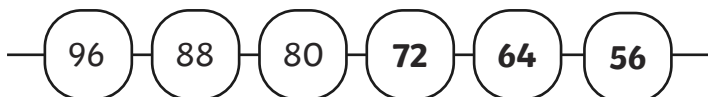
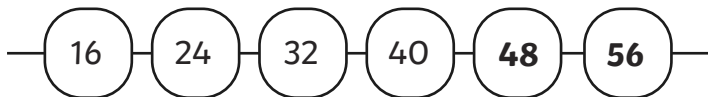
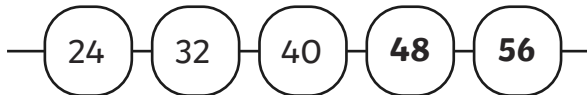
1. Oh no! Frederick has forgotten to include some of the numbered beads in his bracelet. Can you fill in the missing numbers?



There are 8 beads in each bracelet. How many beads are there altogether?



2. Some of Frederick's friends are making bracelets too. What are the next multiples of 8 in their bracelets?



3. Draw your own bracelet with multiples of 8. Start at any multiple of 8 and either count forwards or backwards.

Children draw their own bracelets with accurate counting in multiples of 8.

Multiples of Eight Jewellery



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To count in multiples of eight.



1. Elira needs some help to identify multiples of 8 for her bracelet. Circle all of the multiples of 8 in the grid.

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

2. Mika has made some bracelets that show a sequence of multiples of 8. Are his bracelet patterns correct? Circle any incorrect numbers and write the correct number underneath.

— (64) — (72) — (80) — (86) — (94) — (104) —

— (160) — (152) — (144) — (138) — (128) — (120) —

— (sixteen) — (twenty-four) — (thirty-two) — (forty) — (forty-eight) — (sixty-six) — (sixty-four) —

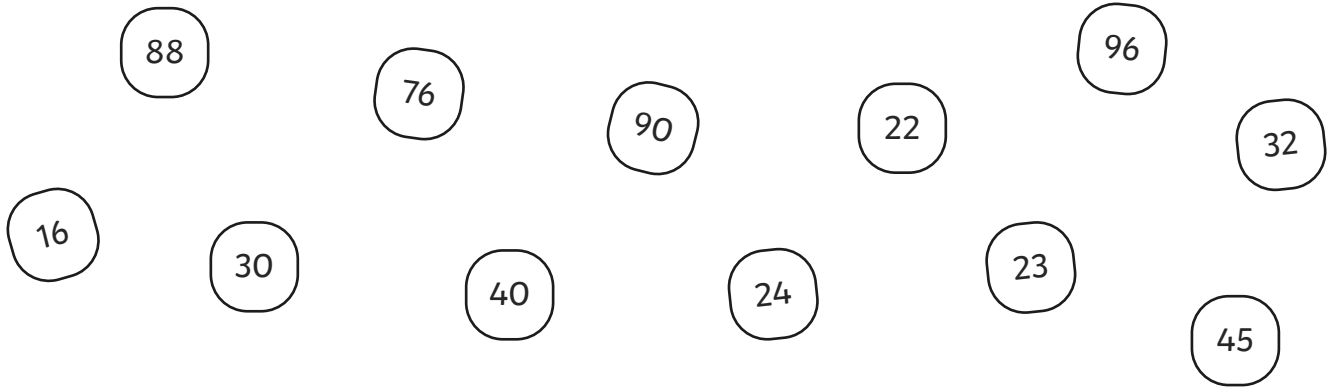
— (104) — (110) — (120) — (128) — (134) — (144) —



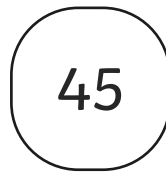
Multiples of Eight Jewellery

3. Here are the beads that are in Jasmine's collection:

If she was going to make a bracelet with only multiples of 8, which beads would she use? Cross out the ones which she would not use.



4. Jasmine counted in steps of 8 to work out whether she would use the beads. However, for this bead she knew straight away that she wouldn't use it:



Explain why you think Jasmine knew straight away that she wouldn't use this bead.

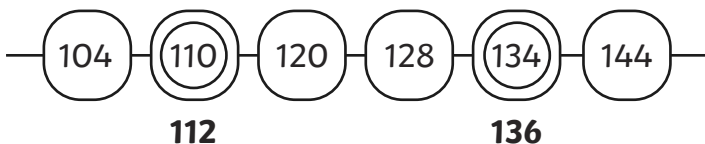
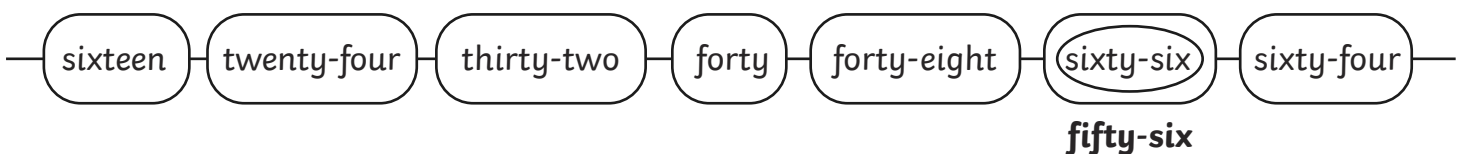
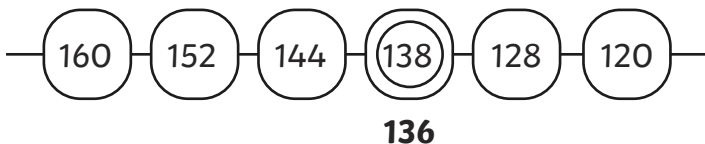
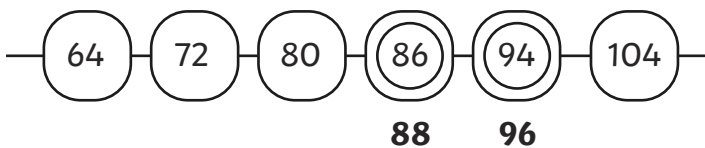
Multiples of Eight Jewellery Answers



1. Elira needs some help to identify multiples of 8 for her bracelet. Circle all of the multiples of 8 in the grid.

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

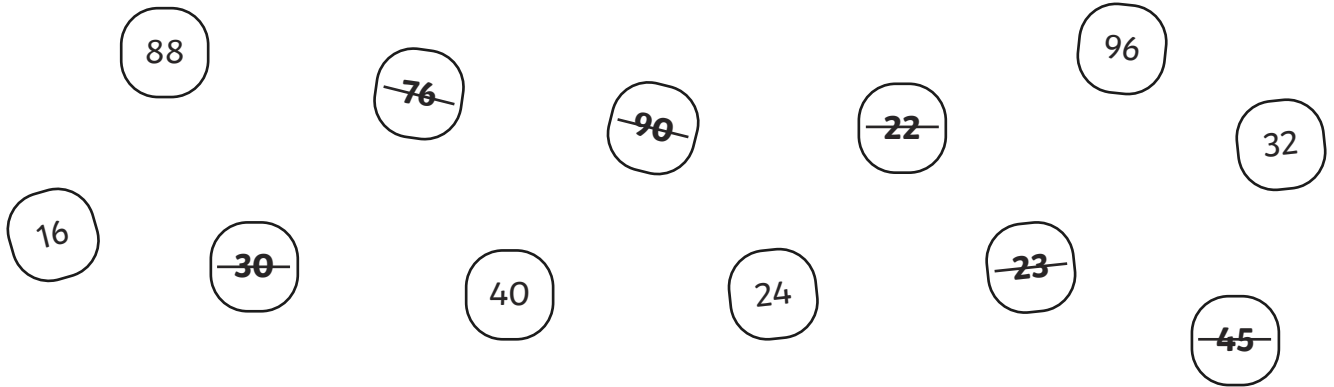
2. Mika has made some bracelets that show a sequence of multiples of 8. Are his bracelet patterns correct? Circle any incorrect numbers and write the correct number underneath.



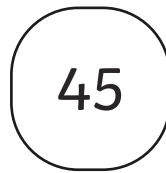


3. Here are the beads that are in Jasmine's collection:

If she was going to make a bracelet with only multiples of 8, which beads would she use?
Cross out the ones which she would not use.



4. Jasmine counted in steps of 8 to work out whether she would use the beads. However, for this bead she knew straight away that she wouldn't use it:



Explain why you think Jasmine knew straight away that she wouldn't use this bead.

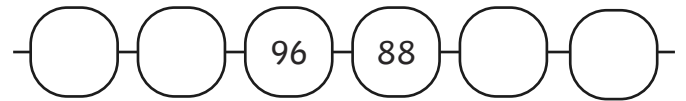
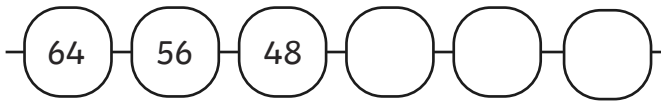
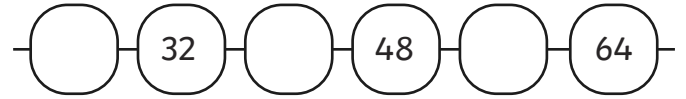
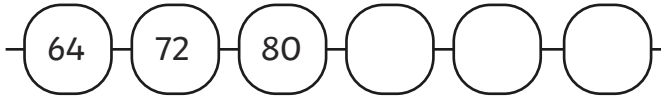
Answer recognises that 45 is an odd number and no odd number is a multiple of eight.

Multiples of Eight Jewellery

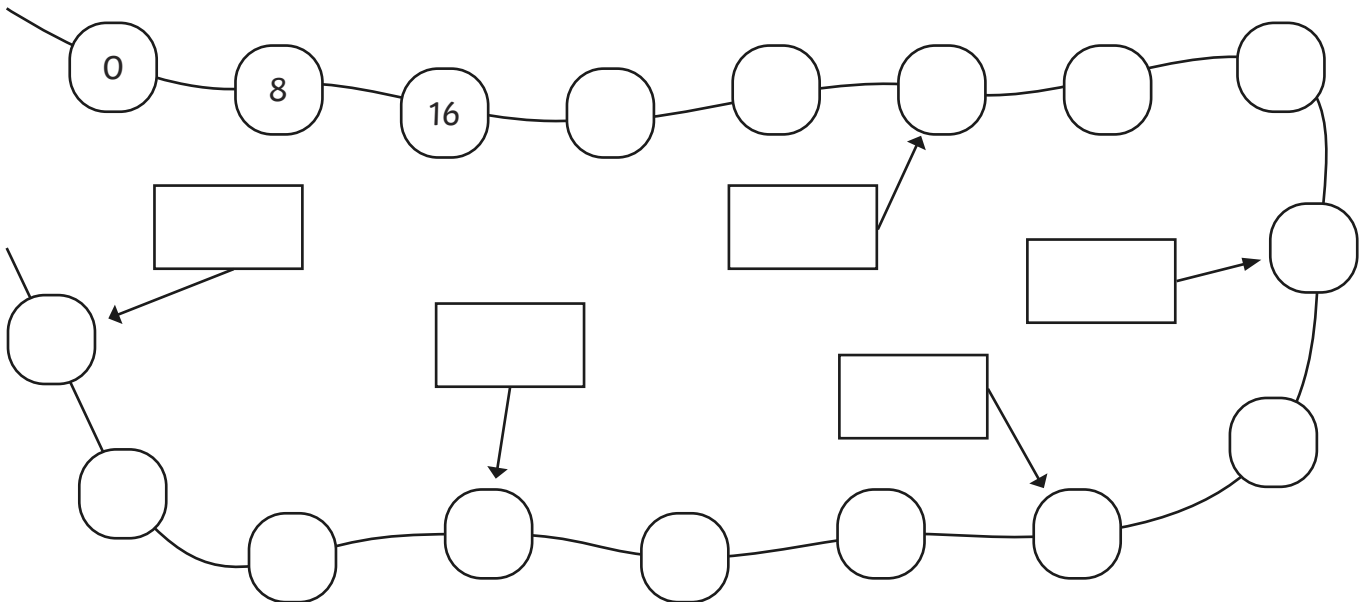
To count in multiples of eight.



1. Tom has made some bracelets that show a sequence of multiples of 8. Fill in the empty beads, to complete the sequences.



2. Here is a necklace that Cara has started. Some of the numbers have rubbed off! Can you complete the numbers which the arrows are pointing to:

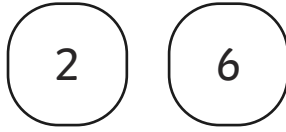


How did you know which number the arrows point to? Can you think of a way to calculate the missing numbers without counting forwards for every multiple of 8?



Multiples of Eight Jewellery

3. Aaron makes his numbers using one-digit beads, e.g. if he wants to make 26, he uses a 2 and a 6 bead.



He says all multiples of 8 are even so he only needs to use even numbers in his bracelet. Is he correct?

4. Maaria says, 'I can use my 4 times table to work out multiples of 8 for my bracelet.' Is she correct?

Multiples of Eight Jewellery Answers

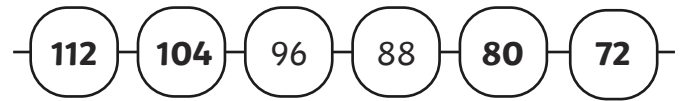
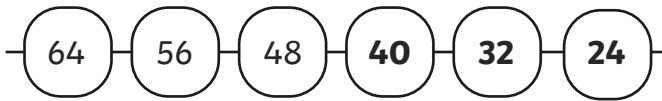
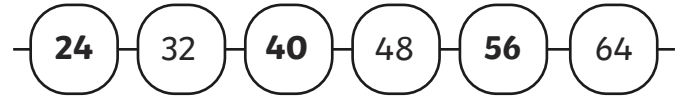
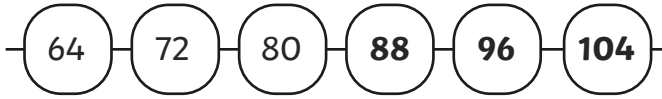


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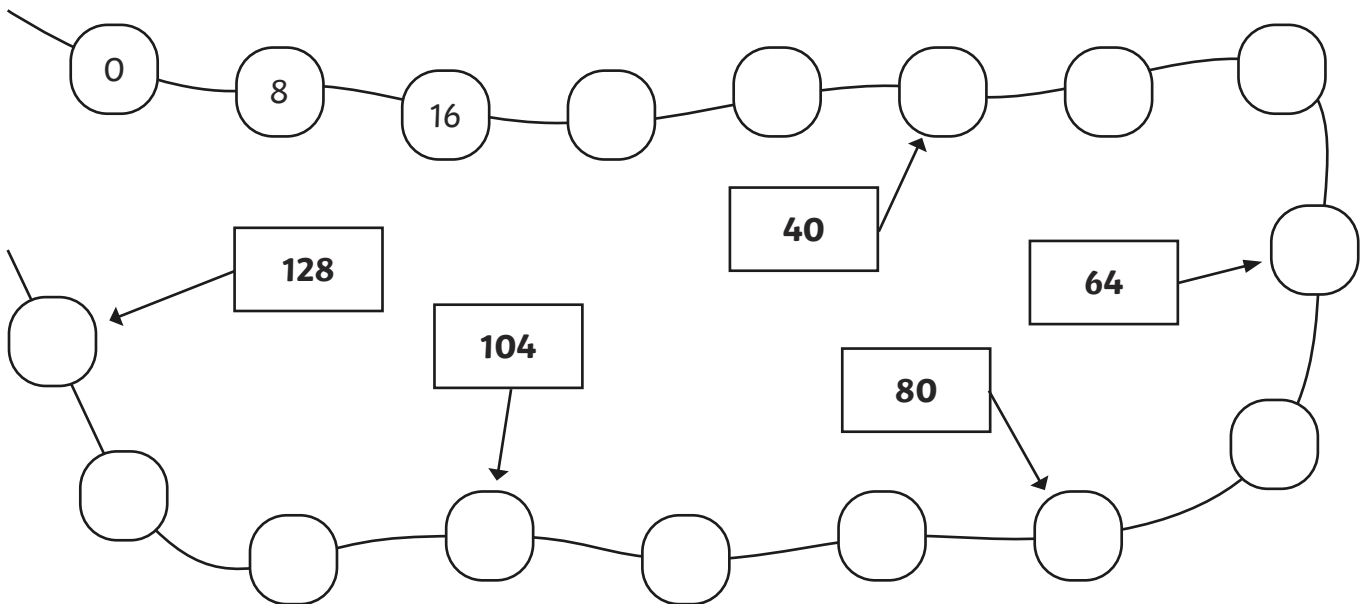
To count in multiples of eight.



1. Tom has made some bracelets that show a sequence of multiples of 8. Fill in the empty beads, to complete the sequences.



2. Here is a necklace that Cara has started. Some of the numbers have rubbed off! Can you complete the numbers which the arrows are pointing to:

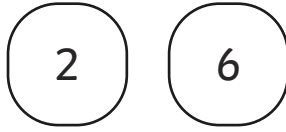


How did you know which number the arrows point to? Can you think of a way to calculate the missing numbers without counting forwards for every multiple of 8?

Multiple answers possible, for example: the first bead with an arrow is 3 beads away from 16 so $8 \times 3 = 24$. $24 + 16 = 40$.



1. Aaron makes his numbers using one-digit beads, e.g. if he wants to make 26, he uses a 2 and a 6 bead.



He says all multiples of 8 are even so he only needs to use even numbers in his bracelet. Is he correct?

No. Even though the numbers are even, he will require odd digits to make the tens digits, e.g. 16 requires beads with 1 and 6. 1 is an odd number.

2. Maaria says, 'I can use my 4 times table to work out multiples of 8 for my bracelet.' Is she correct?

Yes. Every second number in the 4 times table is a multiple of eight.













Pond Dipping

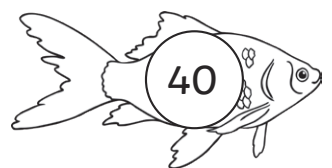
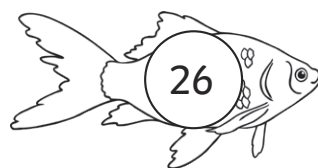
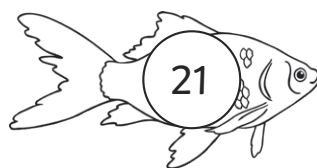
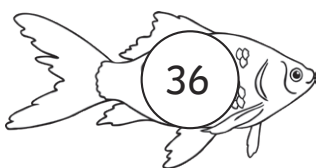
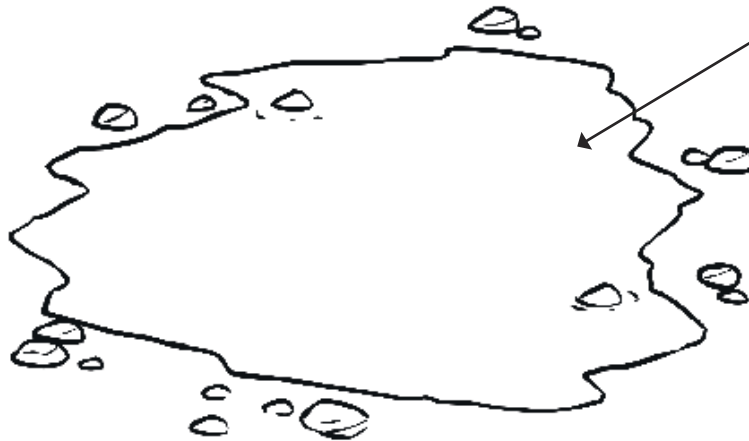
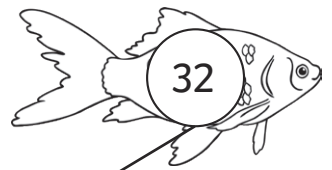
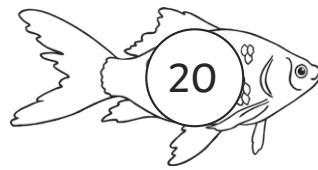
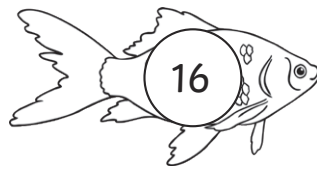
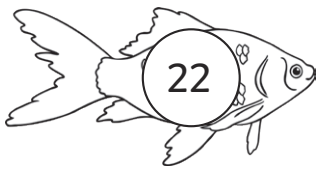
To count in multiples of four.



1. Oh no! The multiples of 4 have been covered up by lily pads. Can you fill in the missing numbers?

1	2	3		5	6	7		9	10
11		13	14	15		17	18	19	
21	22	23		25	26	27		29	30
31		33	34	35		37	38	39	

2. This pond only accepts fish which are multiples of 4. Draw an arrow to the pond for all the fish which are allowed in the pond! One has been done for you.



3. How many legs are there?

Count along in multiples of four to calculate the answer. The first one has been done.

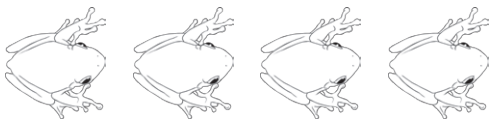
3 frogs



0, 4, 8, 12

12 legs

4 frogs



0,

_____ legs

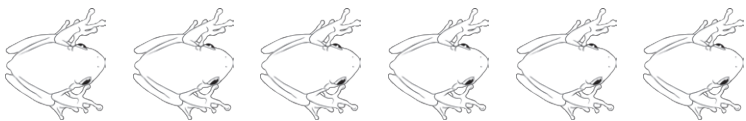
5 frogs



0,

_____ legs

6 frogs



0,

_____ legs

4. Help Tiddalick to count back in steps of 4.





Pond Dipping Answers

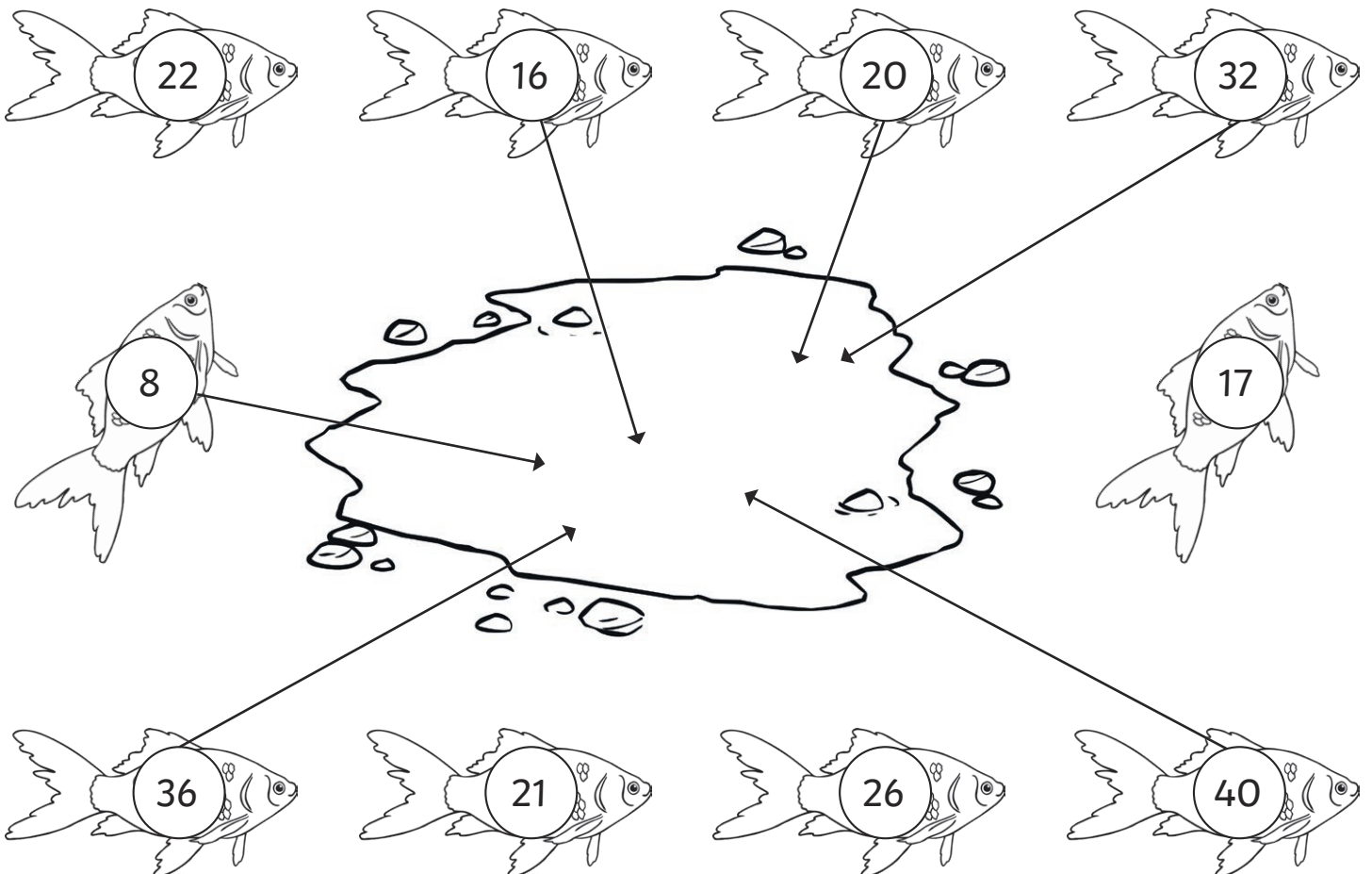
To count in multiples of four.



1. Oh no! The multiples of 4 have been covered up by lily pads. Can you fill in the missing numbers?

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

2. This pond only accepts fish which are multiples of 4. Draw an arrow to the pond for all the fish which are allowed in the pond! One has been done for you.





3. How many legs are there?

Count along in multiples of four to calculate the answer. The first one has been done.

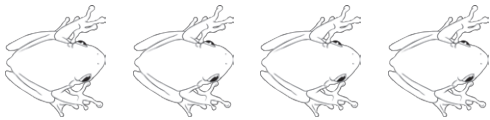
3 frogs



0, 4, 8, 12

12 legs

4 frogs



0, 4, 8, 12, 16

16 legs

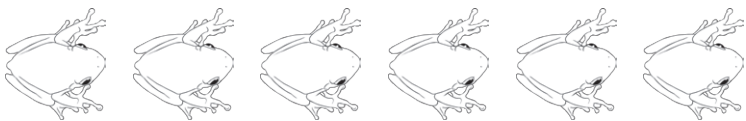
5 frogs



0, 4, 8, 12, 16, 20

20 legs

6 frogs



0, 4, 8, 12, 16, 20, 24

24 legs

4. Help Tiddalick to count back in steps of 4.







Pond Dipping


To count in multiples of four.




1. Help Tiddalick jump forwards in multiples of 4.


a)  0 4 _____ 16 20 _____


b)  12 _____ 24 _____ 36


c)  24 28 _____ 40 _____


d)  32 _____ 40 _____ 52 _____

2. Help Tiddalick jump backwards in multiples of 4.

a)  24 20 _____ 8 4 _____

b)  40 _____ 28 _____ 16

c)  48 44 _____ 32 _____

d)  56 _____ 48 _____ 36 _____





3. How could Tiddalick check whether he has counted backwards correctly?


4. Tiddalick has made some mistakes. Tick the correct ones. If he is wrong, write the correct answers underneath:



a)      

b)      

c)      

d)      

e)      

f)      






Pond Dipping Answers





To count in multiples of four.



1. Help Tiddalick jump forwards in multiples of 4.

a)		0	4	8	12	16	20	24	
b)		12	16	20	24	28	32	36	
c)		24	28	32	36	40	44	48	
d)		32	36	40	44	48	52	56	60

2. Help Tiddalick jump backwards in multiples of 4.

a)		24	20	16	12	8	4	0	
b)		40	36	32	28	24	20	16	
c)		48	44	40	40	32	28	24	
d)		56	52	48	44	40	36	32	28










3. How could Tiddalick check whether he has counted backwards correctly?







He could start at the right end and count forwards in multiples of 4.







4. Tiddalick has made some mistakes. Tick the correct ones. If he is wrong, write the correct answers underneath:

a)      

b)      
36 32 28 24 20 16

c)      

d)      
40 36 32 28 24 22

e)      
16 20 24 28 32 36

f)      
48 44 40 36 32 28





Pond Dipping


To count in multiples of four.





1. Help Tiddalick jump forwards or backwards in multiples of 4.


a)  20 24 _____ 36 40 _____

b)  36 _____ 48 _____ 60

c)  40 44 _____ 56 _____

d)  _____ 44 _____ 32

c)  64 60 _____ 48 _____

d)  60 _____ 52 _____ 40 _____

2. In each set, circle the number that is not a multiple of 4.

- a) 16 28 40 44 50 52
- b) 24 32 38 44 56 62
- c) 32 24 33 88 16 20
- d) 20 8 28 16 54 36



3. In a box there are 4 pens. I have 6 boxes of pens. How many pens do I have?

Jay uses his knowledge of counting in multiples of four to answer this problem. He counted six multiples of four: 4, 8, 12, 16, 20, 24. He knows the answer is 24 pens.

Use your knowledge of counting in multiples of four to answer these problems:

a) 4 children can sit at a table. If there are 7 tables, how many children could sit down?	b) How many legs are there on 5 cats?
c) Chocolate eggs come in packs of 4. How many eggs in total would there be in 6 packs?	d) In a PE lesson, the children are split into groups. There are five groups with 4 children each, and one group with 3 children. How many children altogether?

4. Write your own problem which involves counting ten steps of 4.









Pond Dipping Answers

To count in multiples of four.



1. Help Tiddalick jump forwards or backwards in multiples of 4.

- a)  20 24 **28** **32** 36 40 **44**
- b)  36 **40** **44** 48 **52** **56** 60
- c)  40 44 **48** **52** 56 **60** **64**
- d)  **56** **52** **48** 44 **40** **36** 32
- c)  64 60 **56** **52** 48 **44** **40**
- d)  60 **56** 52 **48** **44** 40 **36** **32**

2. In each set, circle the number that is not a multiple of 4.

- a) 16 28 40 44 **(50)** 52
- b) 24 32 **(38)** 44 56 62
- c) 32 24 **(33)** 88 16 20
- d) 20 8 28 16 **(54)** 36



3. In a box there are 4 pens. I have 6 boxes of pens. How many pens do I have?

Jay uses his knowledge of counting in multiples of four to answer this problem. He counted six multiples of four: 4, 8, 12, 16, 20, 24. He knows the answer is 24 pens.

Use your knowledge of counting in multiples of four to answer these problems:

<p>a) 4 children can sit at a table. If there are 7 tables, how many children could sit down?</p> <p style="text-align: center;">28 children</p>	<p>b) How many legs are there on 5 cats?</p> <p style="text-align: center;">20 legs</p>
<p>c) Chocolate eggs come in packs of 4. How many eggs in total would there be in 6 packs?</p> <p style="text-align: center;">24 eggs</p>	<p>d) In a PE lesson, the children are split into groups. There are five groups with 4 children each, and one group with 3 children. How many children altogether?</p> <p style="text-align: center;">23 children</p>

4. Write your own problem which involves counting ten multiples of four.

Multiple questions possible which give the answer 40, for example:

How many legs are there on 10 dogs?

Apples come in packs of 4. I buy 10 packs. How many apples do I have?



Start
10 more than 89 is...
100 less than 935 is...
100 more than 984 is...
Go back to the start.

10 less than 205 is...
100 more than 702 is...
100 less than 582 is...
10 less than 752 is...
Miss a go.
100 more than 837 is...
10 less than 175 is...
100 more than 492 is...

Go back 2 spaces.
100 more than 935 is...
100 more than 683 is...
10 more than 356 is...
Go forward 3 spaces.
100 more than 593 is...
100 less than 948 is...

100 more than 999 is...
100 more than 953 is...
Help a friend.
10 less than 458 is...
10 more than 299 is...
100 less than 334 is...
Move back to '100 less than 501 is...'

Move back to '10 more than 299 is...'
100 less than 948 is...
100 more than 942 is...
100 less than 833 is...
Finish

100 more than 101 is...
100 more than 935 is...
100 more than 683 is...
10 more than 356 is...
Go forward 3 spaces.
100 more than 593 is...
100 less than 948 is...

100 more than 999 is...
100 more than 953 is...
Help a friend.
10 less than 458 is...
10 more than 299 is...
100 less than 334 is...
Move back to '100 less than 501 is...'

Move back to '10 more than 299 is...'
100 less than 948 is...
100 more than 942 is...
100 less than 833 is...
Finish

100 more than 999 is...
100 more than 953 is...
Help a friend.
10 less than 458 is...
10 more than 299 is...
100 less than 334 is...
Move back to '100 less than 501 is...'

Move back to '10 more than 299 is...'
100 less than 948 is...
100 more than 942 is...
100 less than 833 is...
Finish



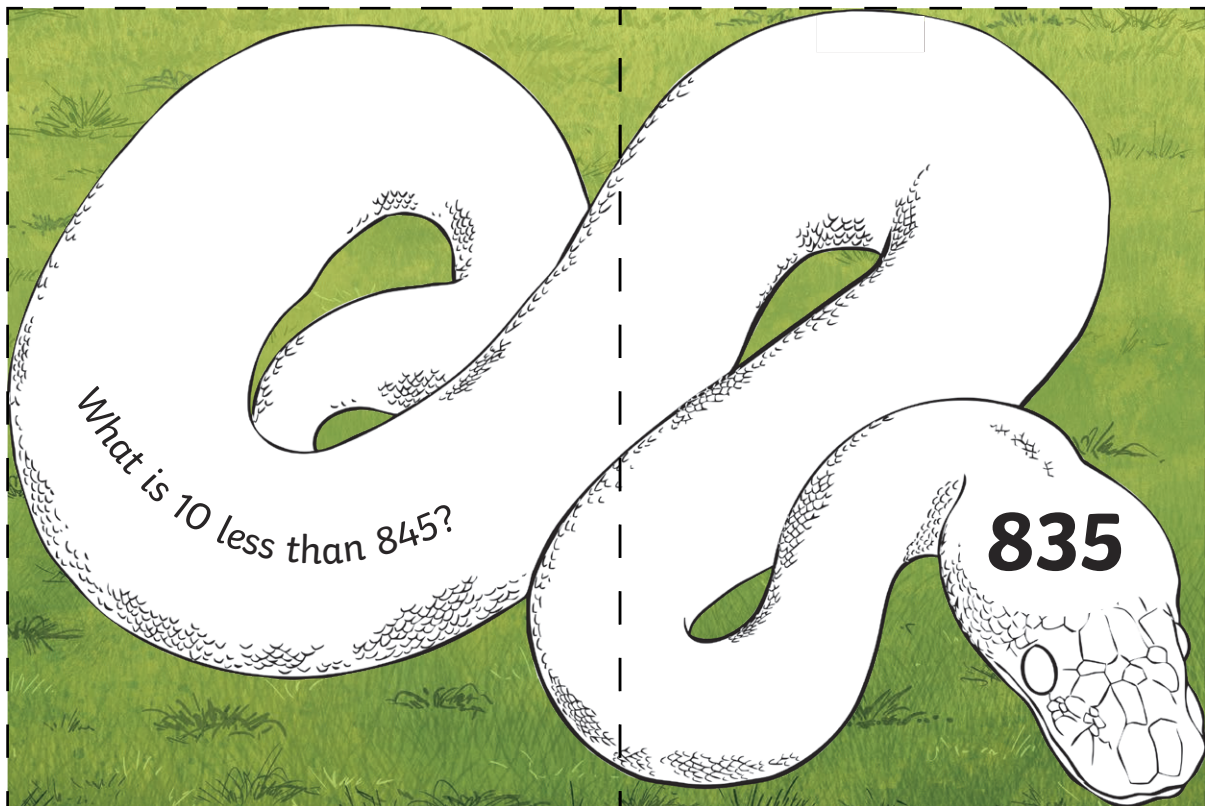
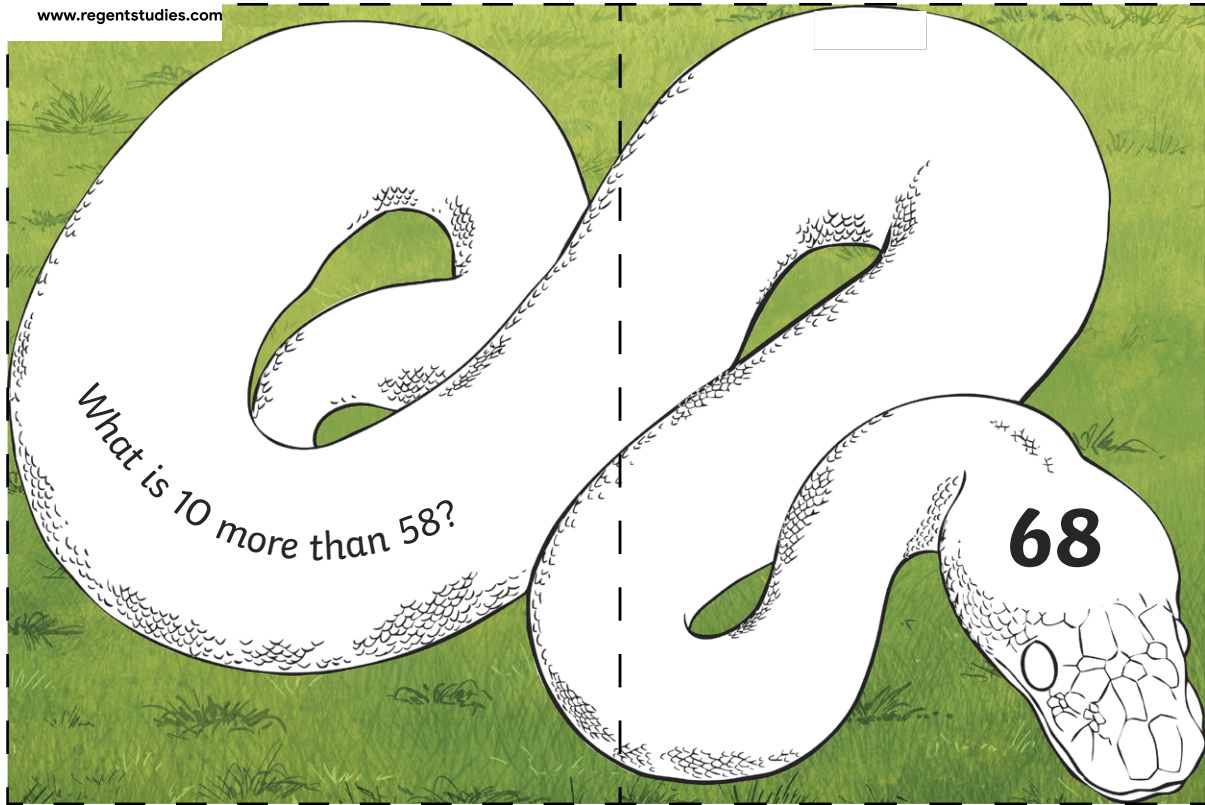
Finding More or Less Snake Matching Activity



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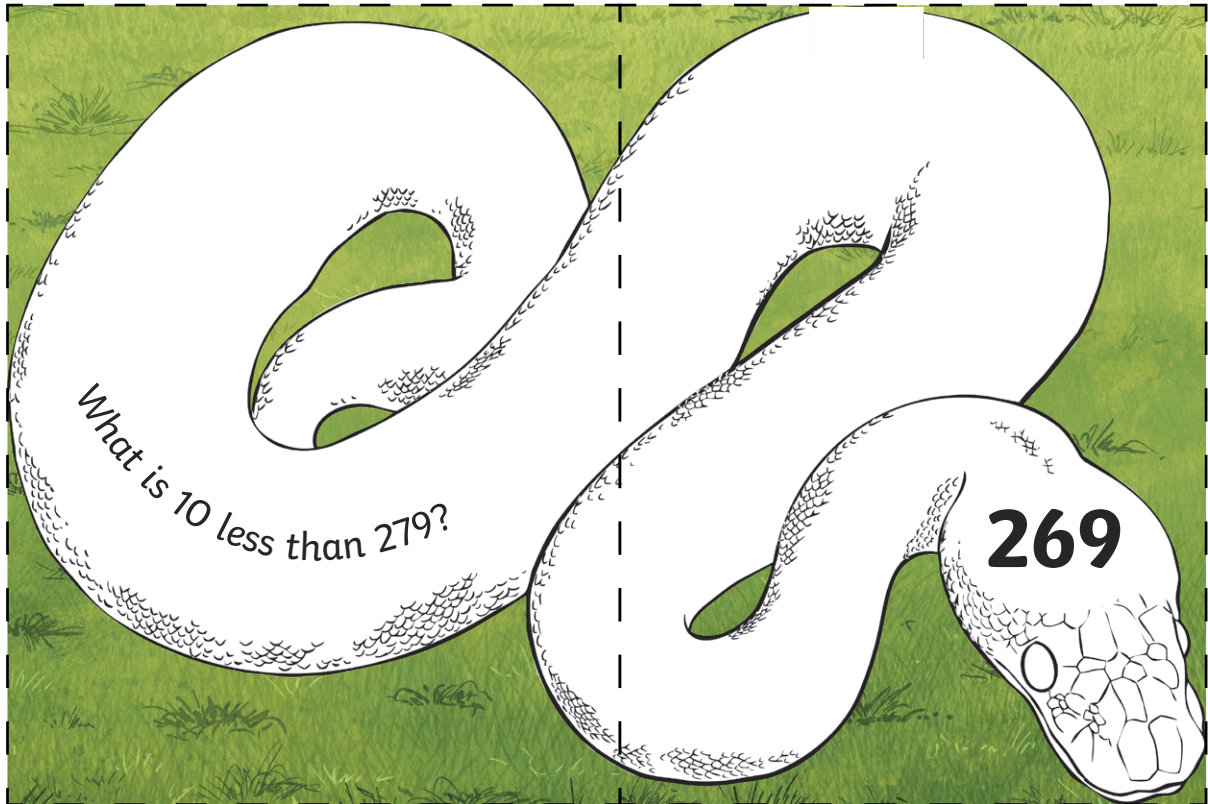
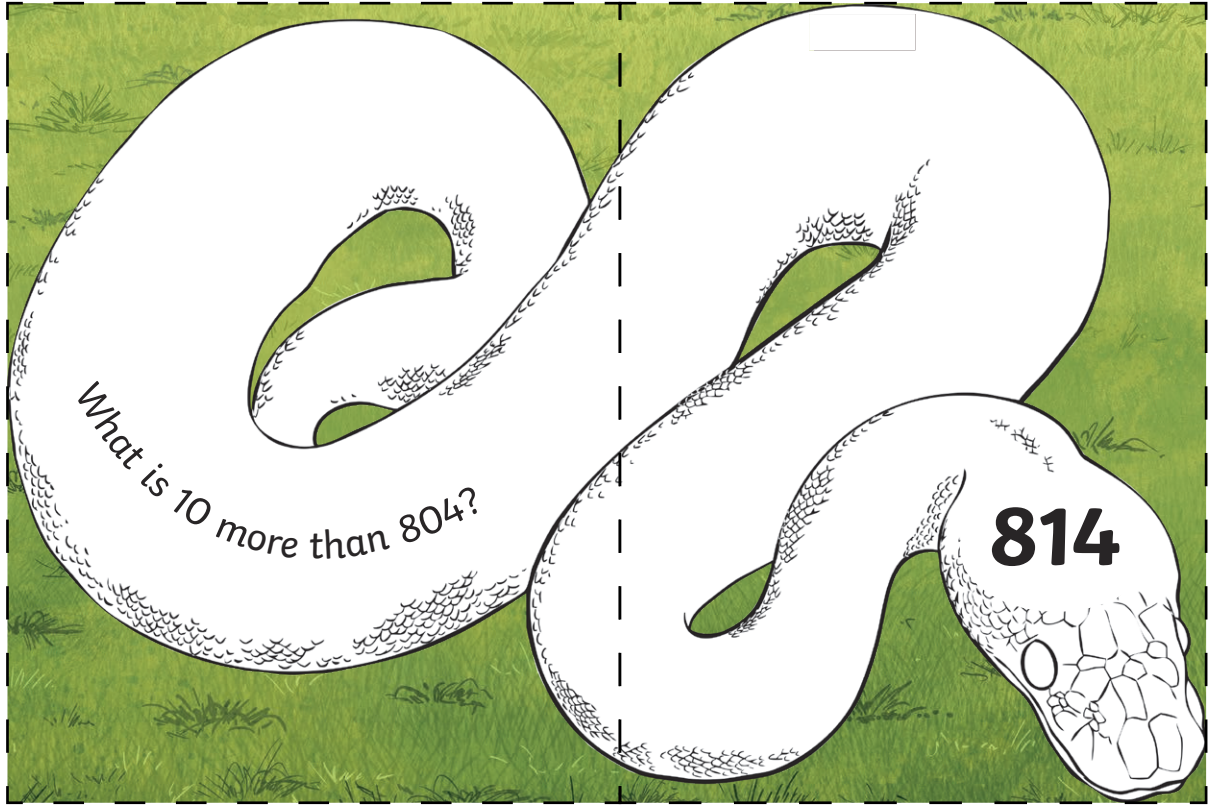
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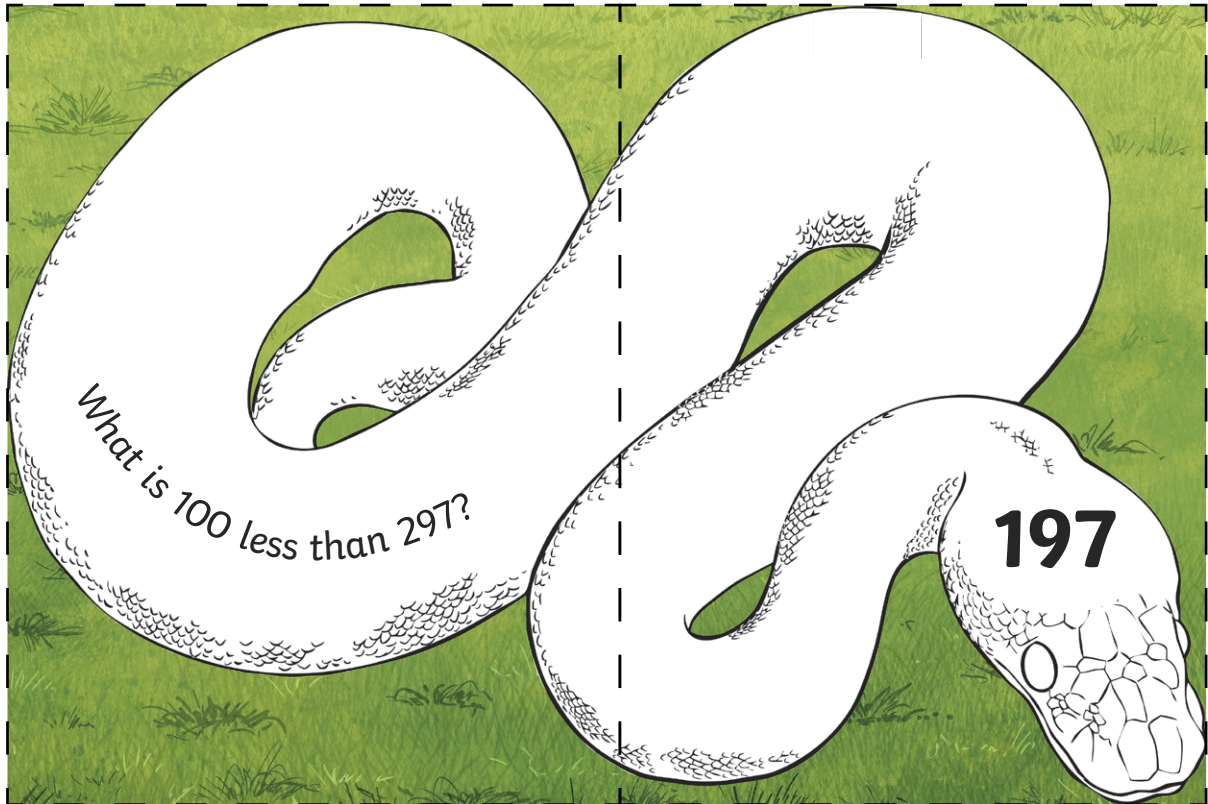
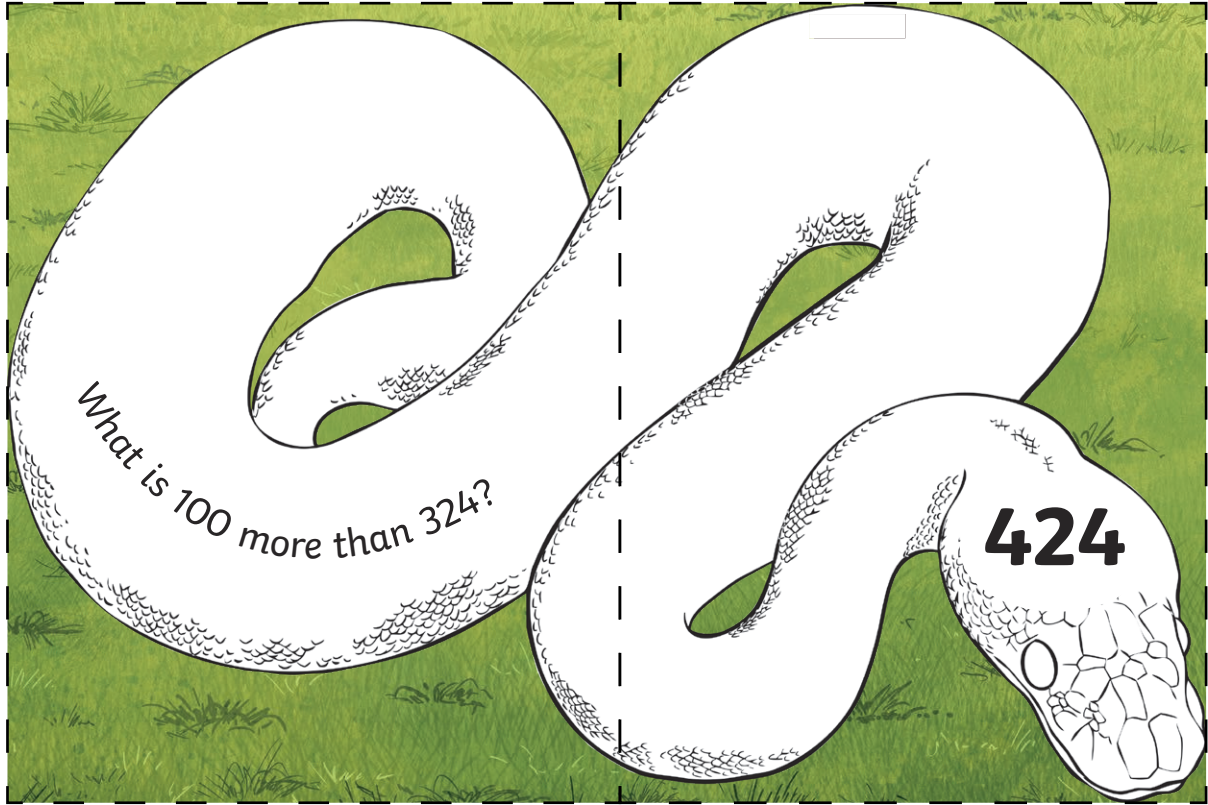


Finding More or Less Snake Matching Activity





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Finding More or Less Snake Matching Activity

