

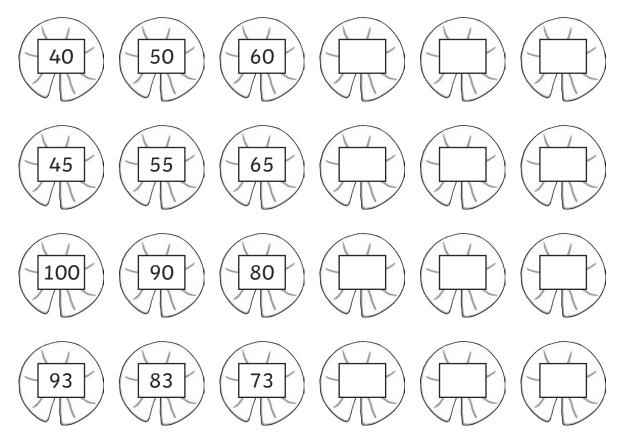
## 100 Square

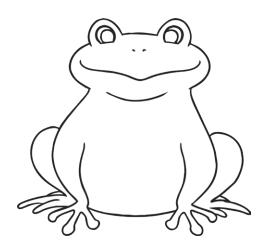
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



To count forwards and backwards in steps of ten from any number.

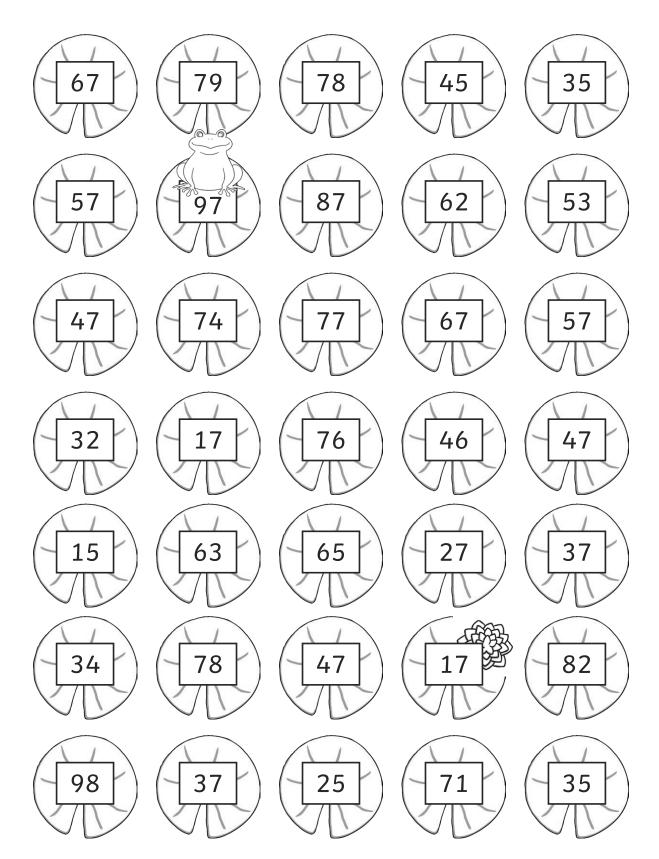
Frankie is counting in steps of 10. What are the next 3 numbers in these sequences?







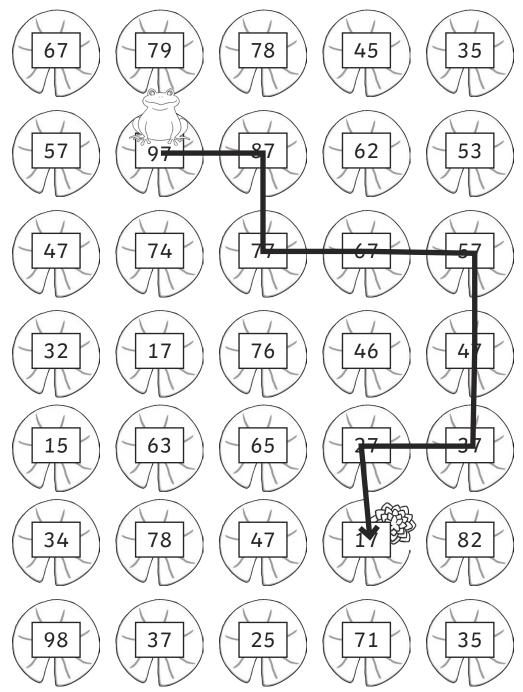
Help Frankie reach the flower by counting in steps of 10.





Frankie is counting in steps of 10. What are the next 3 numbers in these sequences? 40, 50, 60, **70, 80, 90** 45, 55, 65, **75, 85, 95** 100, 90, 80, **70, 60, 50** 93, 83, 73, **63, 53, 43** 

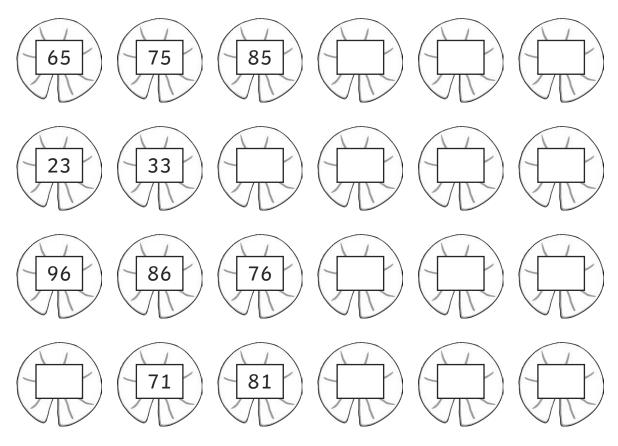
Help Frankie reach the flower by counting in steps of 10.

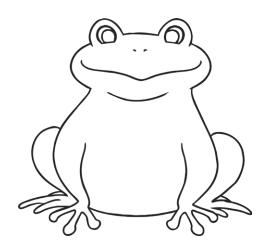




To count forwards and backwards in steps of ten from any number.

Frankie is counting in steps of 10. Can you fill in the missing numbers in each sequence?





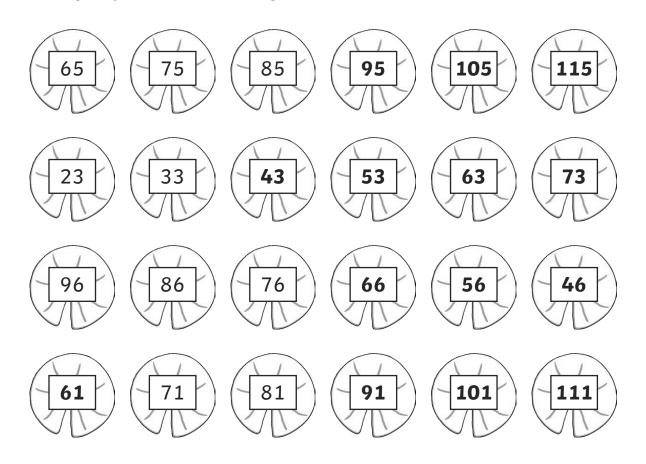


To count forwards and backwards in steps of ten from any number. How many different ways can you help Frankie cross the pond when counting in steps of ten? Start Finish



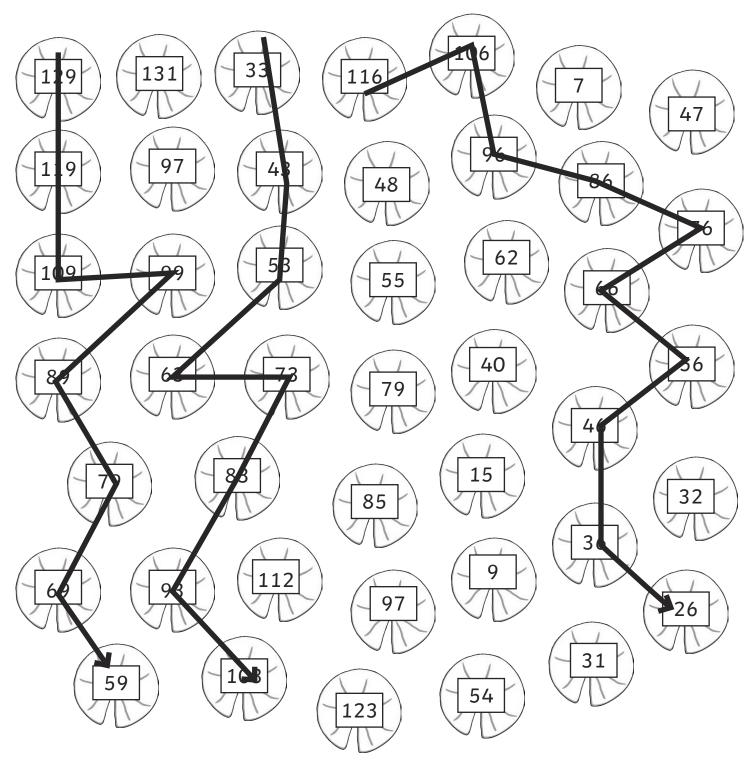
Frankie is counting in steps of 10.

Can you fill in the missing numbers in each sequence?





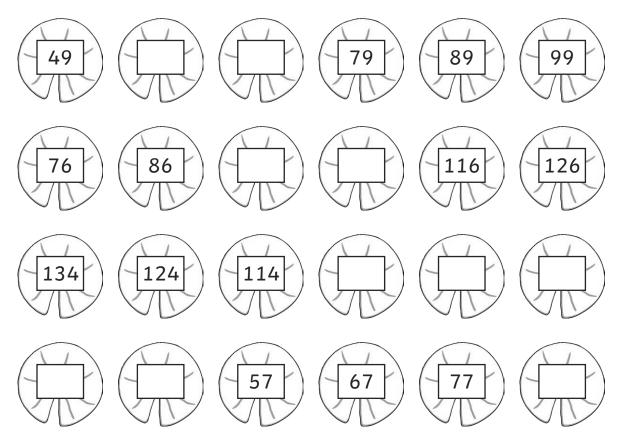
How many different ways can you help Frankie cross the pond when counting in steps of ten?

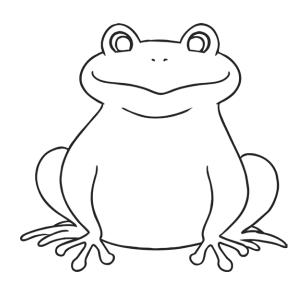




To count forwards and backwards in steps of ten from any number.

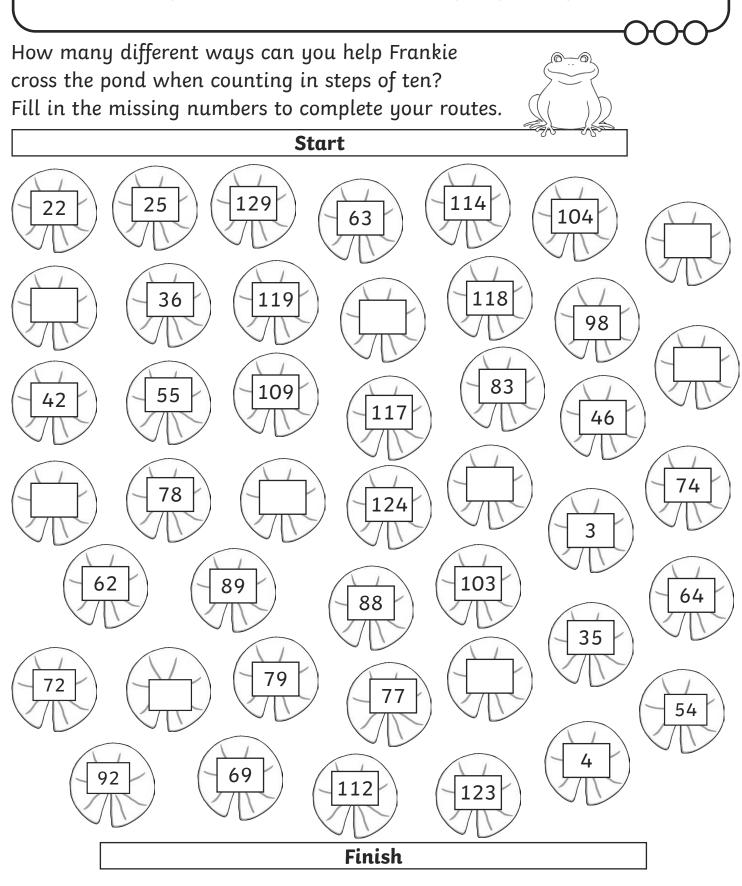
Frankie is counting in steps of 10. Can you fill in the missing numbers in each sequence?







To count forwards and backwards in steps of ten from any number.





Frankie is counting in steps of 10. Can you fill in the missing numbers in each sequence?

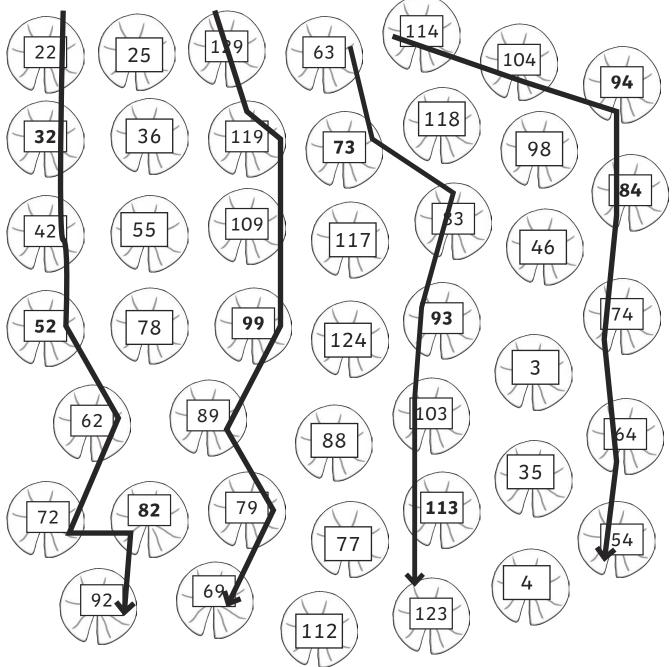
49, **59, 69**, 79, 89, 99

76, 86, **96, 106,** 116, 126

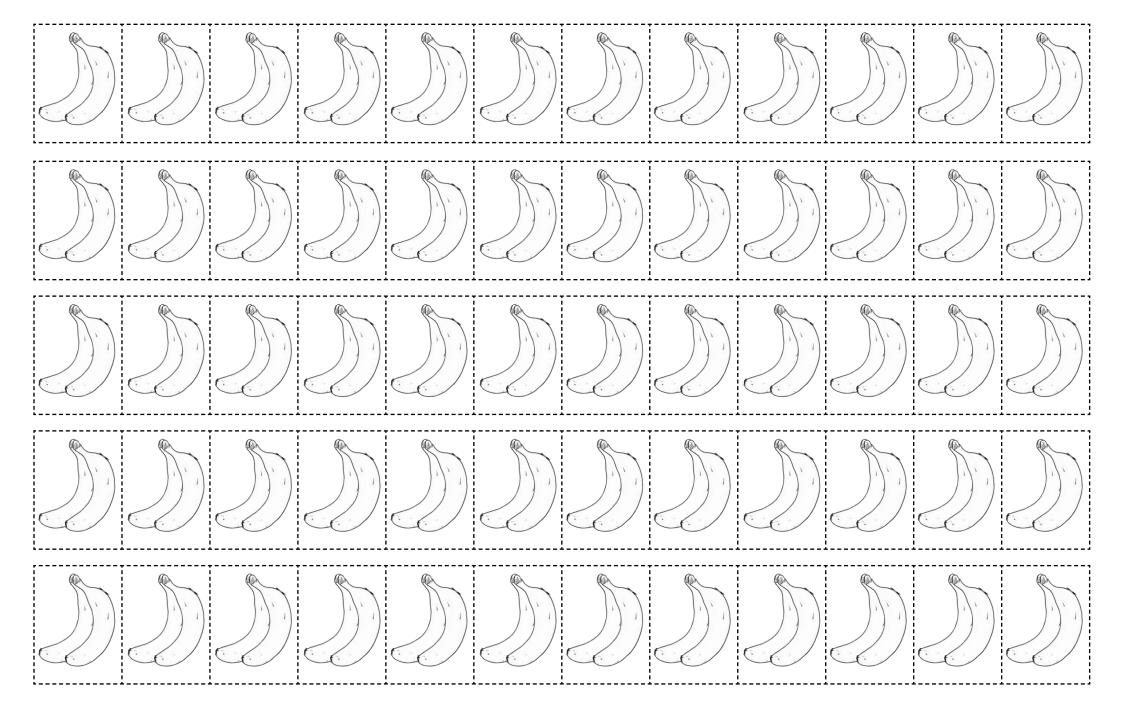
134, 124, 114, **104, 94, 84** 

#### **37, 47,** 57, 67, 77, **87**

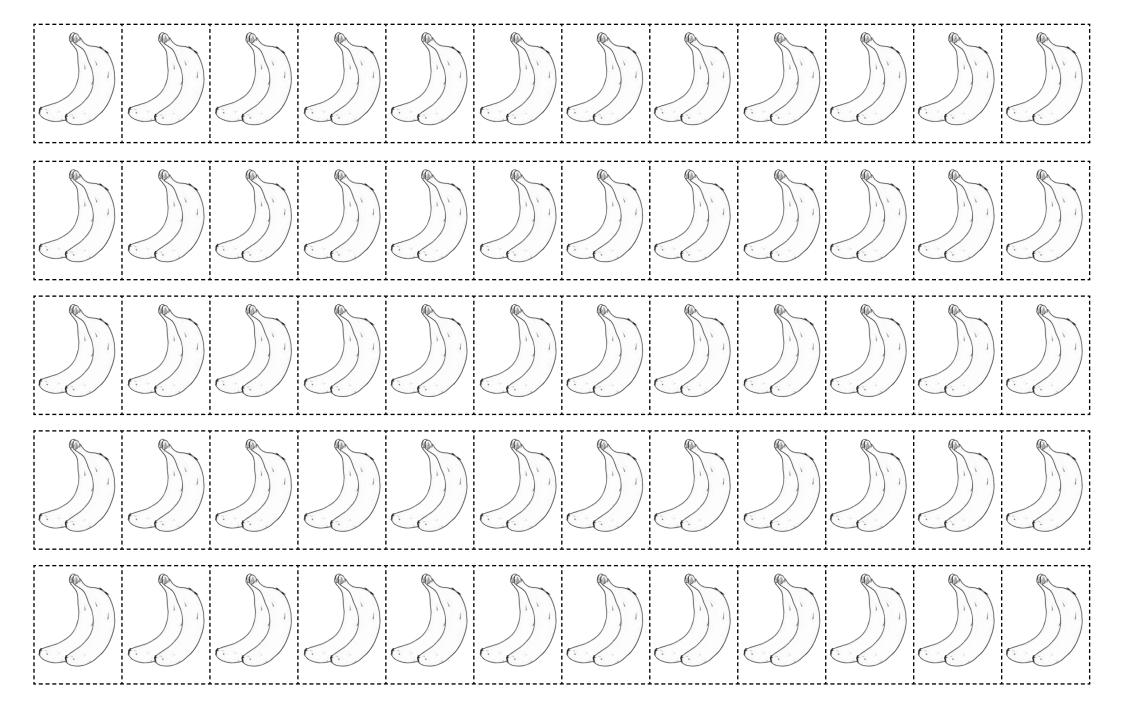
How many different ways can you help Frankie cross the pond when counting in steps of ten? Fill in the missing numbers to complete your routes.



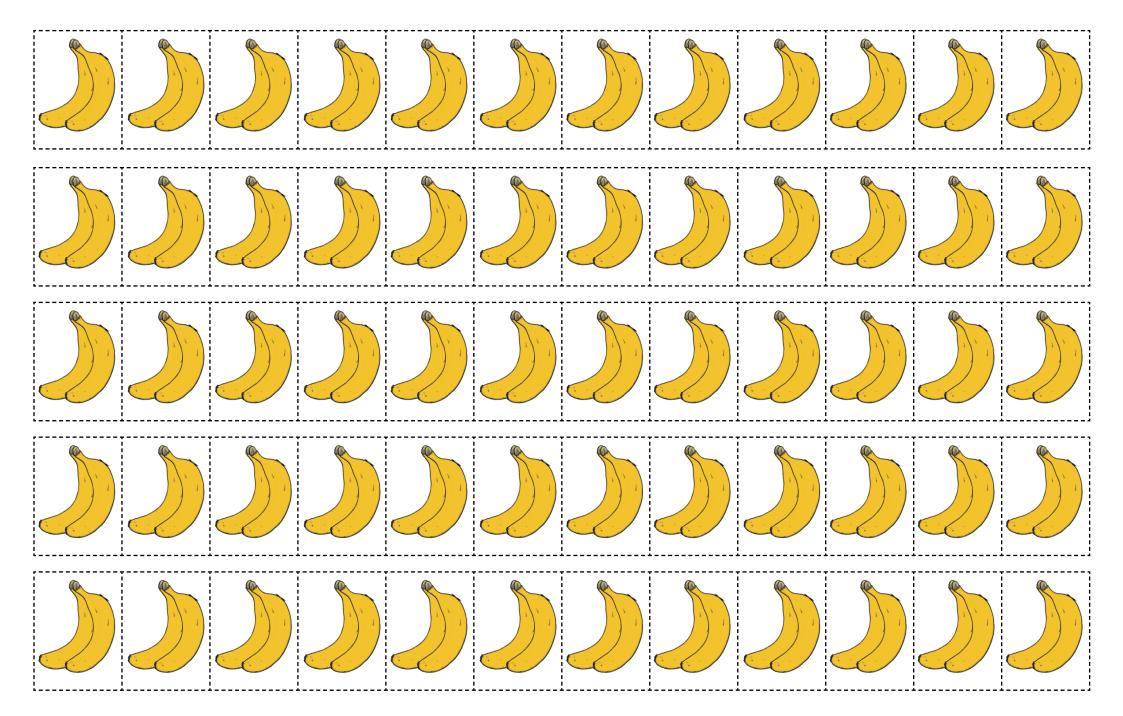




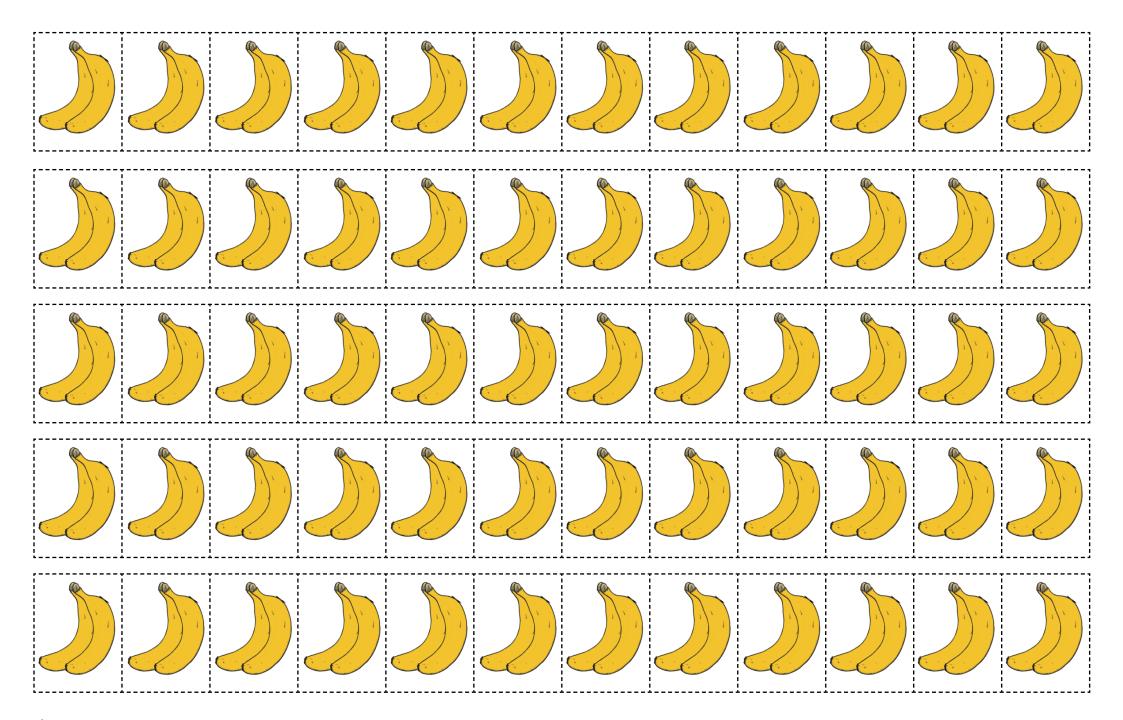














## **Counting in Fives**

To count in steps of five.

Can you continue the sequences counting in 5s?

- 5, 10, 15, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_,
- 15, 20, 25, 30, \_\_\_\_, \_\_\_\_, \_\_\_\_,
- 35, 30, 25, 20, \_\_\_\_, \_\_\_\_, \_\_\_\_,
- 25, 30, 35, 40, \_\_\_\_, \_\_\_\_, \_\_\_\_,
- 55, 50, 45, \_\_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_,
- 30, 35, 40, 45, 50, \_\_\_\_, \_\_\_\_,

Can you fill in the missing numbers?

0		10		20	
	40		50		60
20		30		40	
35		45		55	

Some of these numbers are not multiples of 5. Can you circle them?

5, 12, 15, 20, 22, 32 50, 45, 40, 35, 31, 26 24, 60, 35, 38, 46, 57



Can you continue the sequences counting in 5s?

- 5, 10, 15, **20, 25, 30, 35**
- 15, 20, 25, 30, **35, 40, 45**
- 35, 30, 25, 20, **15, 10, 5**
- 25, 30, 35, 40, **45, 50, 55**
- 55, 50, 45, **40, 35, 30, 25**
- 30, 35, 40, 45, 50, **55, 60**

Can you fill in the missing numbers?

0	5	10	15	20	25
35	40	45	50	55	60
20	25	30	35	40	45
35	40	45	50	55	60

Some of these numbers are not multiples of 5. Can you circle them?

5, 15, 20, (22, 32 (12,) 50, 45, 40, 35, (31, 26 60, 35, (38 24,



## **Counting in Fives**

To count in steps of five.

Can you continue the sequences counting in 5s?

- 55, 50, 45, 40, \_\_\_\_, \_\_\_\_, \_\_\_\_,
- 45, 40, 35, 30, \_\_\_\_\_, \_\_\_\_, \_\_\_\_,
- 25, 30, \_\_\_\_\_, 40, \_\_\_\_\_, \_\_\_\_, \_\_\_\_,
- 0, \_\_\_\_, 10, 15, \_\_\_\_, \_\_\_, \_\_\_,
- 35, \_\_\_\_, \_\_\_\_, \_\_\_\_, 10
- 25, \_\_\_\_, \_\_\_\_, \_\_\_\_, 0

Can you fill in the missing numbers?

25		15		5	
65			50		
30		40		50	
	5			20	

Some of these numbers are not multiples of 5. Can you circle them?

- 55, 42, 61, 60, 50, 5
- 17, 36, 15, 45, 51, 56
- 5, 26, 41, 55, 65, 60, 25
- 1, 5, 10, 16, 22, 29

Complete the sentence:

Multiples of 5 always have a **5** or a \_\_\_\_\_ in the ones column.



Can you continue the sequences counting in 5s?

55, 50, 45, 40, **35, 30, 25** 

45, 40, 35, 30, **25, 20, 15** 

25, 30, **35**, 40, **45, 50, 55** 

- 0, **5**, 10, 15, **20, 25, 30**,
- 35, **30, 25, 20, 15,** 10

25, **20, 15, 10, 5,** 0

Can you fill in the missing numbers?

25	20	15	10	5	0
65	60	55	50	45	40
30	35	40	45	50	55
0	5	10	15	20	25

Some of these numbers are not multiples of 5. Can you circle them?

55, 
$$(42, 61, 60, 50, 5$$
  
 $(17, 36, 15, 45, 51, 56)$   
5,  $(26, 41, 55, 65, 60, 25)$   
1, 5, 10,  $(16, 22, 29)$ 

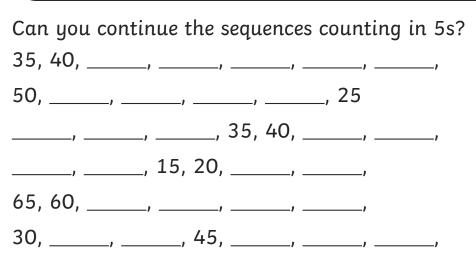
Complete the sentence:

Multiples of 5 always have a **5** or a **0** in the ones column.



## **Counting in Fives**

То	count	in	steps	of	five.
----	-------	----	-------	----	-------



#### Can you fill in the missing numbers?

60			40	
0		15		25
	30	35		
40				65

Circle the multiples of 5 and write them in the table. The first one is done for you. **54**, **(55) 61**, **65**, **30**, **47**, **5**, **12**, **15**, **39**, **56**, **43** 

Multiples of 5								
Tens Digit	Ones Digit							
5	5							

What do you notice about the ones digit in multiples of 5?



Can you continue the sequences counting in 5s?

35, 40, **45, 50, 55, 60, 65** 

50, **45, 40, 35, 30,** 25

**20, 25, 30** 35, 40, **45, 50** 

5, 10, 15, 20, 25, 30

- 65, 60, **55, 50, 45, 40**
- 30, **35, 40,** 45, **50, 55, 60**

Can you fill in the missing numbers?

60	55	50	45	40	35
0	5	10	15	20	25
20	25	30	35	40	45
40	45	50	55	60	65

Circle the multiples of 5 and write them in the table. The first one is done for you. **54**(**55**, **61**(**65**, **30**, **47**, **5**, **12**(**15**, **39**, **56**, **43** 

Multi	Multiples of 5							
Tens Digit	Ones Digit							
5	5							
6	5							
3	0							
-	5							
1	5							

What do you notice about the ones digit in multiples of 5?

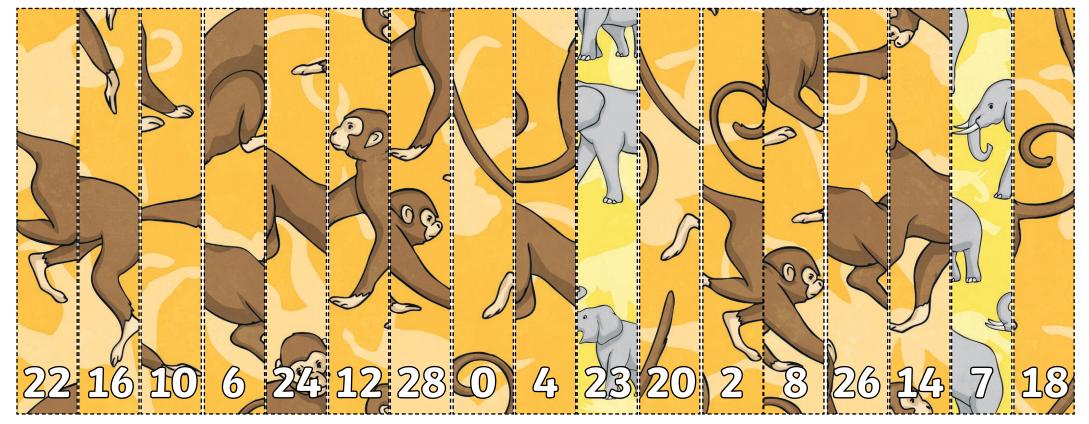
#### <u>It is always a 5 or a 0.</u>



## **Counting in Twos Puzzle**

To count in steps of two.

Can you help Zac the zookeeper to put his zoo picture back together? Cut out the puzzle pieces. On the next page, stick them in the correct order to complete the picture, counting in steps of 2 from 0. Be careful - some pieces are from the wrong puzzle so won't be needed!



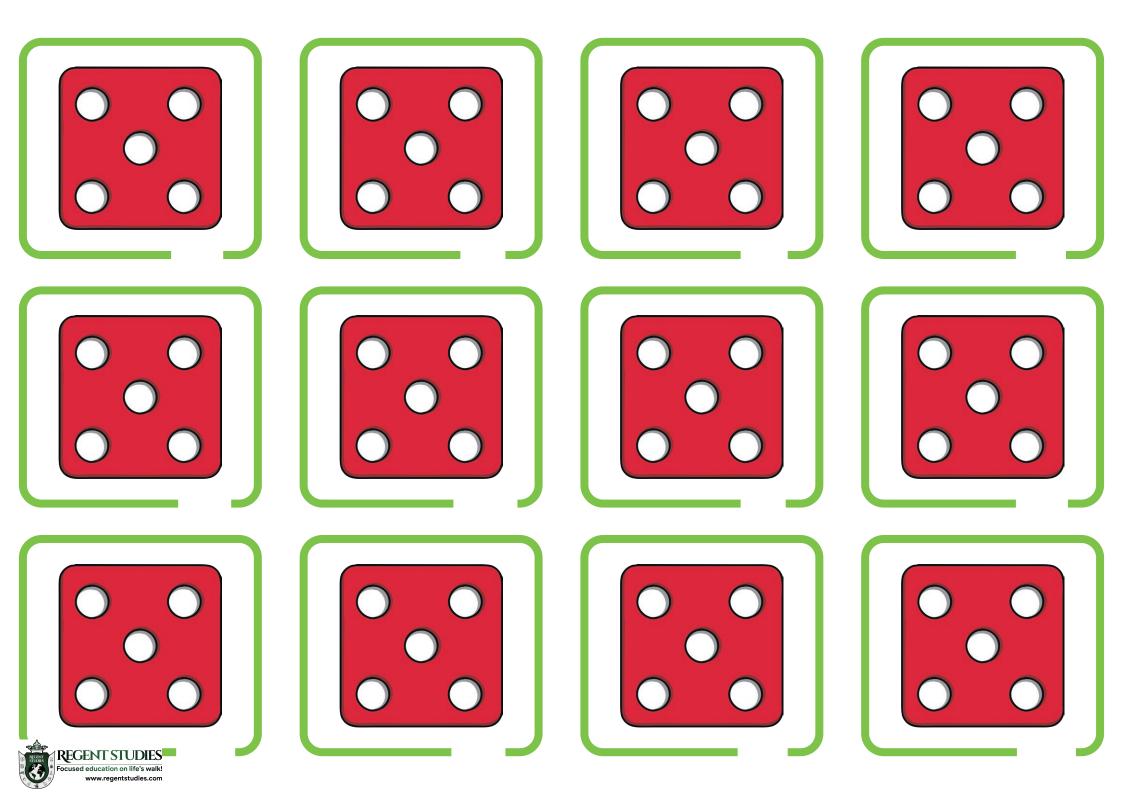


Which pieces did you not use? \_\_\_\_\_

What do you notice about the pattern? \_\_\_\_\_

Write 3 numbers that would never fit the pattern. Explain your reasoning.

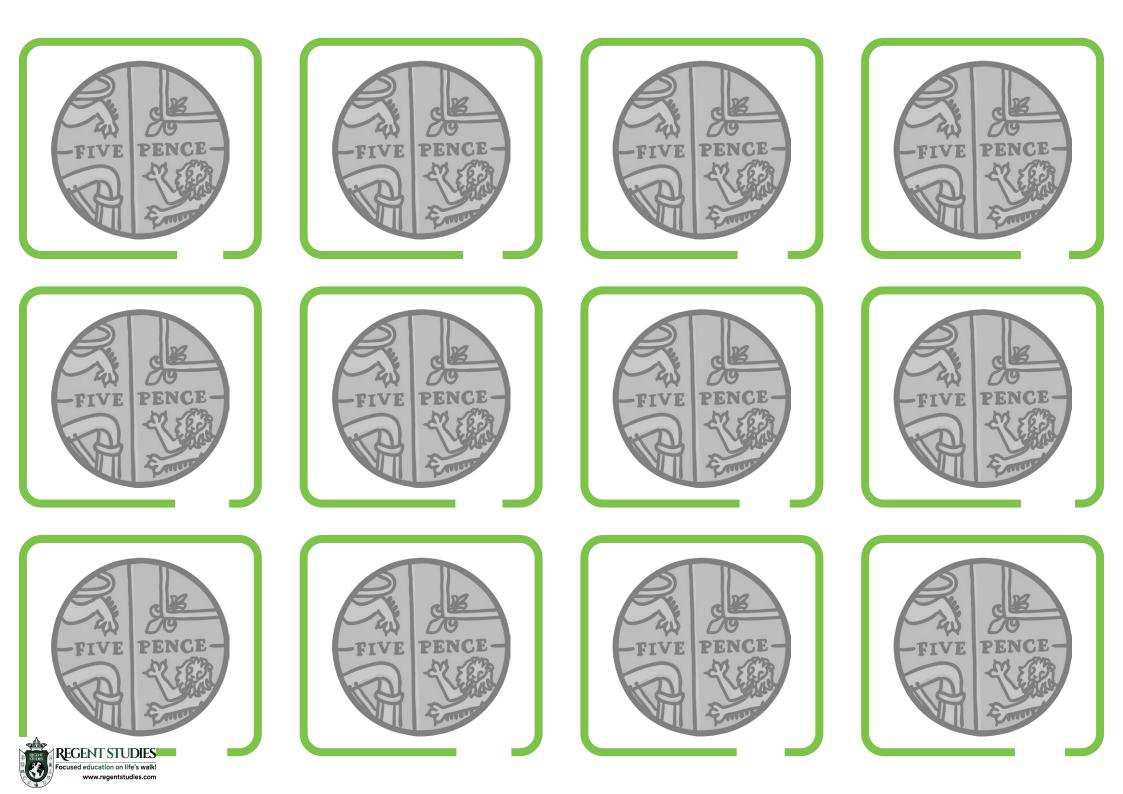




## Feed the Monkeys

## **Feed the Monkeys**

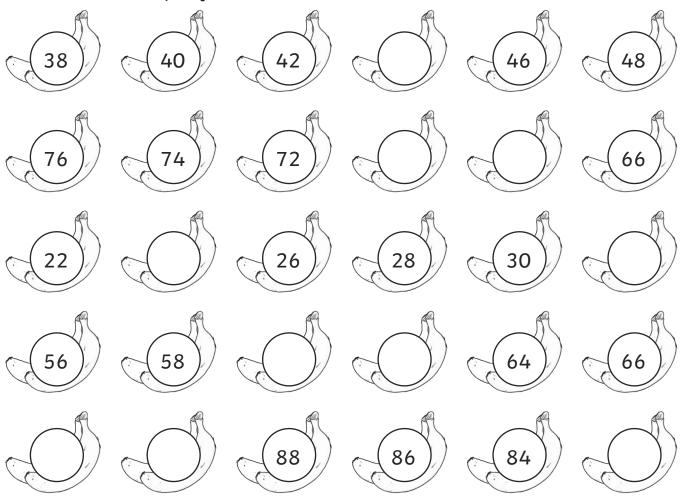




## **Missing Numbers**

To count in steps of two.

Write the missing numbers in the sequence by counting forwards and backwards in steps of 2.



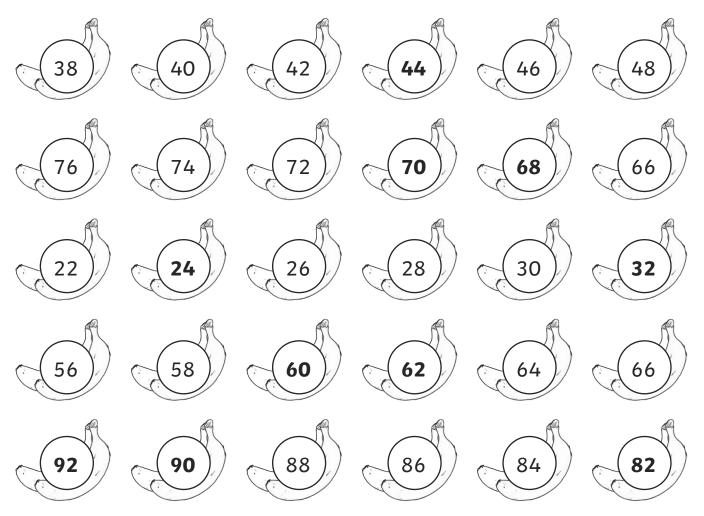
Explain to a partner how you found the missing numbers.

Zoe the zookeeper says, "34, 36, 38... If I keep on counting forwards in steps of 2, what numbers will I never use?"

Write 5 numbers Zoe the zookeeper will never say. Explain your reasoning.



Write the missing numbers in the sequence by counting forwards and backwards in steps of 2.

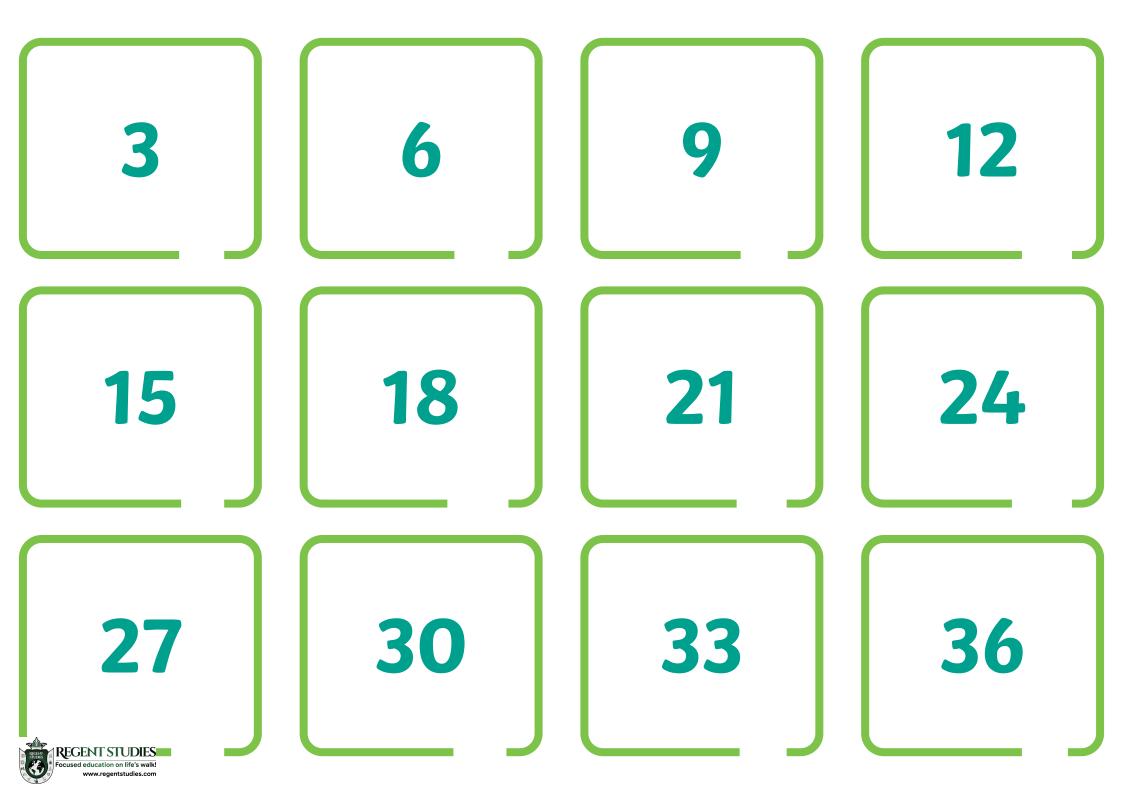


Zoe the zookeeper says, "34, 36, 38... If I keep on counting forwards in steps of 2, what numbers will I never use?"

Write 5 numbers Zoe the zookeeper will never say. Explain your reasoning.

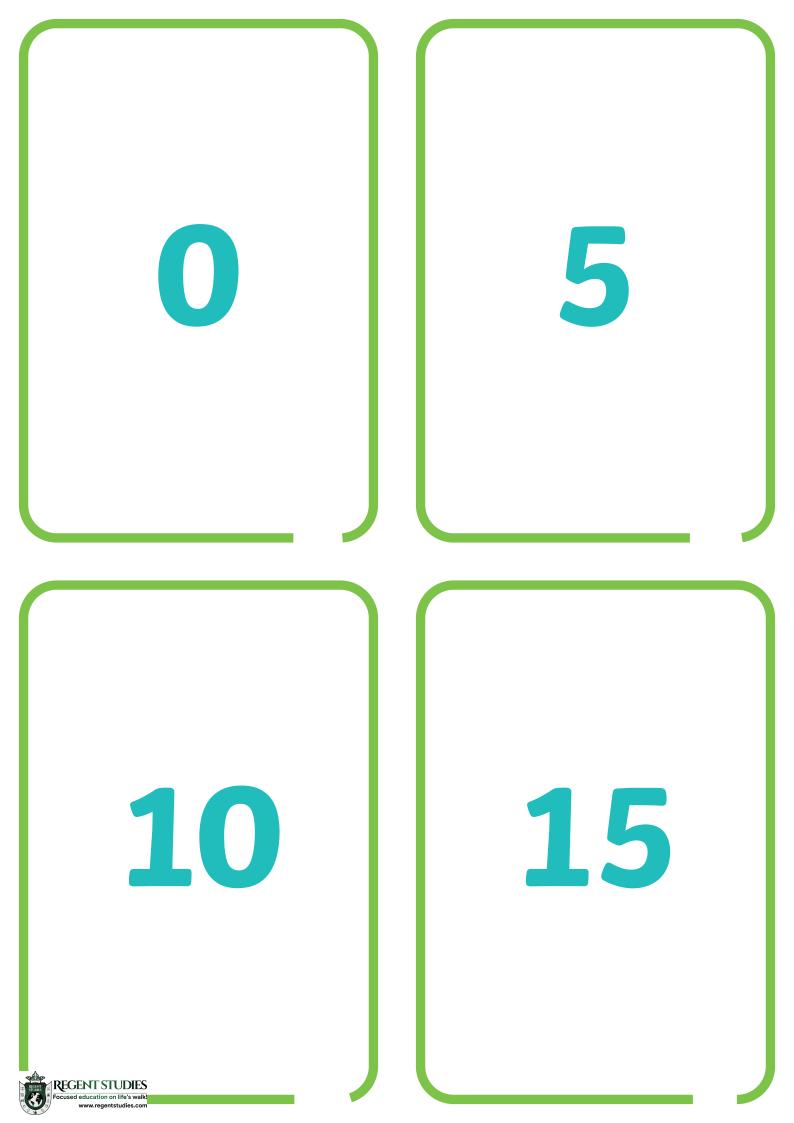
Child's own answer. Their answer may include reference to odd numbers.

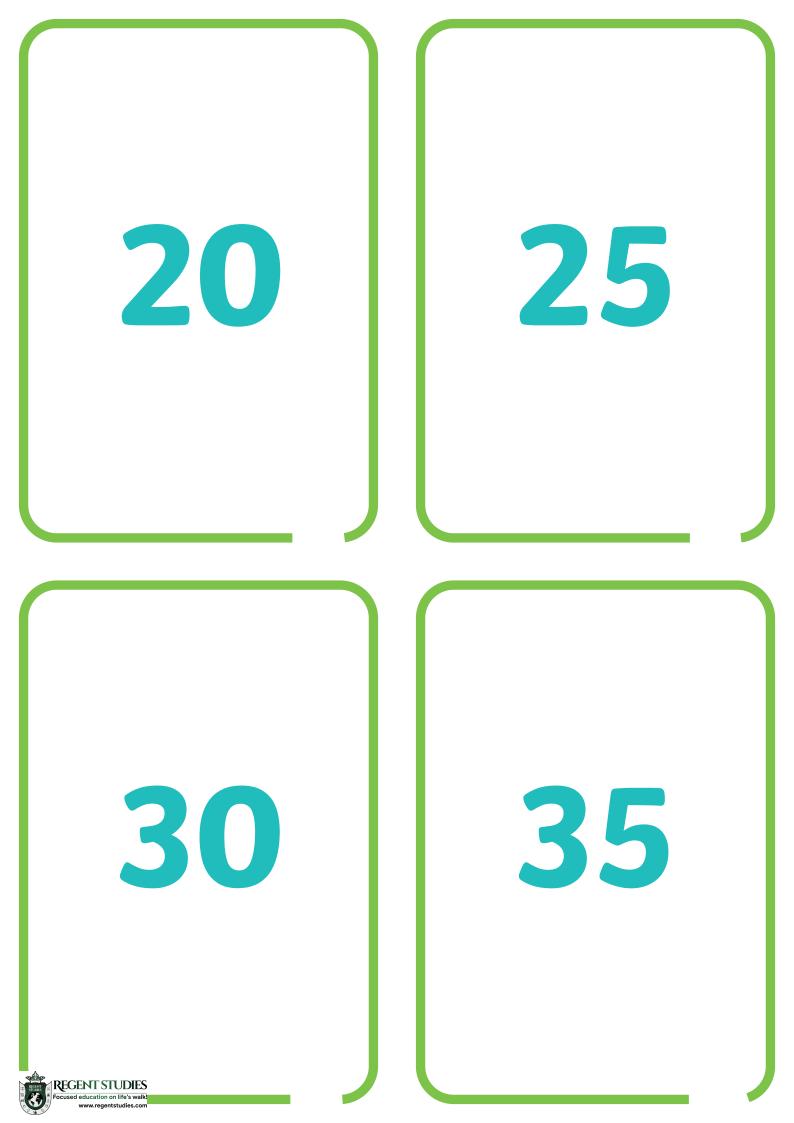


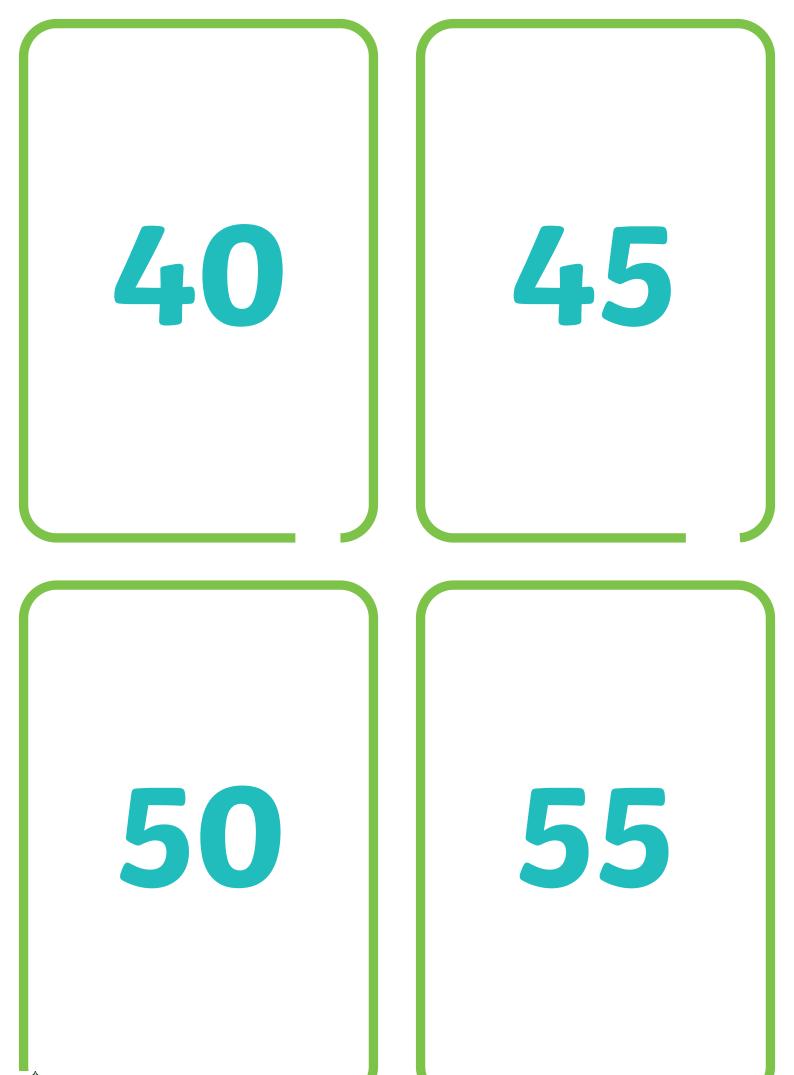




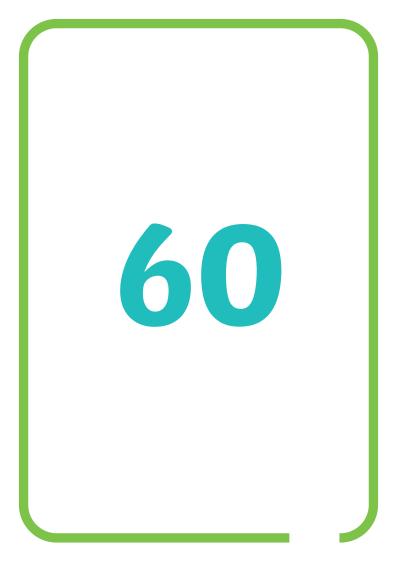








REGENT STUDIES





## Tricycle

Put counters in the grids under the tricycles to count how many wh

1 tricycle	2 tricycles	3 tricycles			
3 wheels					
	6 wheels				
		wheels			



### le Grids

J wheels they have altogether. The first two have been done for you.

				6	S	
4 tricycles		5 tricycle	s	6	tricycle	s
whee	els					
	-	w	neels			
					wł	reels



7 tricycles	8 tricycles		9 tricy	cles
wheels				
	what			
	whee	:15		
				wheels
				WILLELS



10 tricycles	11	tricycle	es	1	2 tricycle	25
wheels						
		wh	ieels			
					wł	neels



### **Tricycle Grids**

Put counters in the grids under the tricycles to count how many wheels they have altogether. The first two have been done for you.

1 tricycle	2 tricycles	3 tricycles	4 tricycles	5 tricycles	6 tricycles
3 wheels					
	6 wheels				
	L	wheels			
			wheels		
			L	wheels	
				L	wheels



7 tricycles	8 tricycl	es	ç	tricycle	S	1	0 tricycl	es	1	1 tricycl	les	1	2 tricycl	es
wheels														
	w	/heels												
				wł	neels									
		L					wl	reels						
										W	neels			
													W	heels

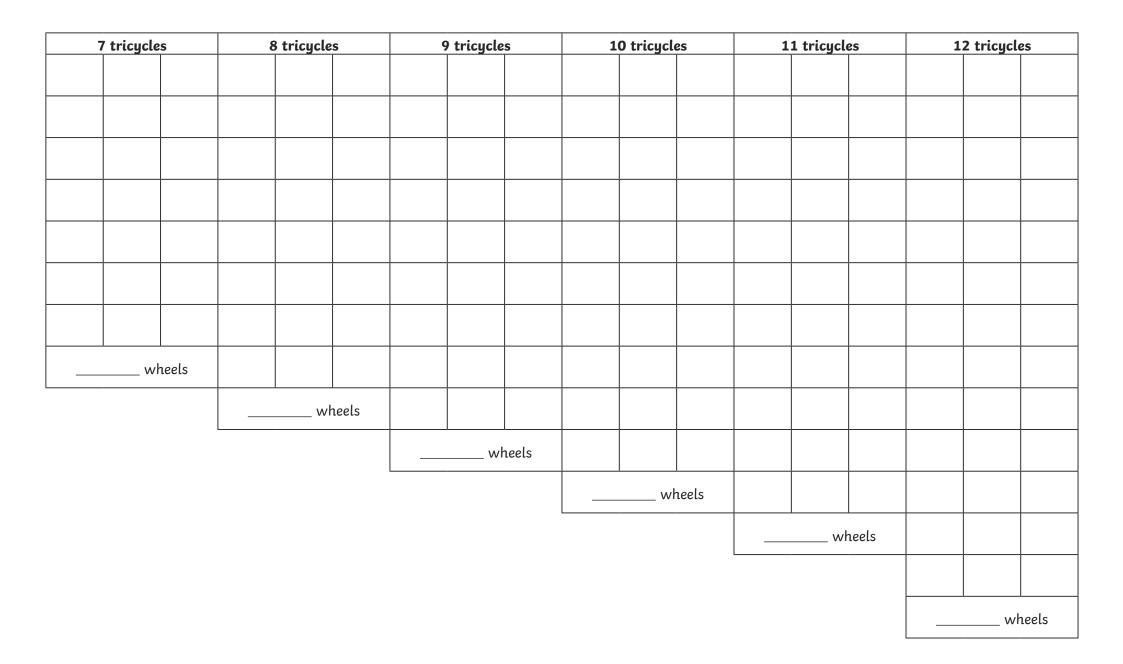


### **Tricycle Grids**

Put counters in the grids under the tricycles to count how many wheels they have altogether. The first two have been done for you.

0	0	0	0	0	0
1 tricycle	2 tricycles	3 tricycles	4 tricycles	5 tricycles	6 tricycles
3 wheels					
	6 wheels				
		wheels			
			wheels		
				wheels	
					wheels







To count forwards and backwards in steps of three.

#### A. How many wheels?

- 1. Put counters on your **Tricycle Grids** to find out how many wheels there are on the tricycles altogether.
- 2. Count in threes using your **Tricycle Grids** to fill in this counting stick:

- 3. How many wheels are there on 6 tricycles altogether?
- 4. How many wheels are there on 9 tricycles altogether? \_\_\_\_\_
- 5. How many wheels are there on 12 tricycles altogether? \_\_\_\_\_

#### **B.** Counting in threes

- 1. Which step of 3 comes **before** 15? \_\_\_\_\_
- 2. Which step of 3 comes **after** 30? \_\_\_\_\_
- 3. Which step of 3 comes **before** 27? \_\_\_\_\_
- 4. Which step of 3 comes **after** 9? \_\_\_\_\_
- 5. Which step of 3 comes **before** 33? \_\_\_\_\_





### Answers

#### A. How many wheels?

- 1. Put counters on your **Tricycle Grids** to find out how many wheels there are on the tricycles altogether.
- 2. Count in threes using your **Tricycle Grids** to fill in this counting stick:

- 3. How many wheels are there on 6 tricycles altogether? **18**
- 4. How many wheels are there on 9 tricycles altogether? **27**
- 5. How many wheels are there on 12 tricycles altogether? 36

#### **B.** Counting in threes

- 1. Which step of 3 comes **before** 15? <u>12</u>
- 2. Which step of 3 comes after 30? 33
- 3. Which step of 3 comes **before** 27? **<u>24</u>**
- 4. Which step of 3 comes after 9? 12
- 5. Which step of 3 comes **before** 33? <u>30</u>



To count forwards and backwards in steps of three.

#### A. How many wheels?

1. Count in threes to fill in this counting stick:

3 6 6
-------

- 2. How many wheels are there on 7 tricycles altogether? \_\_\_\_\_
- 3. How many wheels are there on 4 tricycles altogether? \_\_\_\_\_
- 4. How many wheels are there on 11 tricycles altogether?
- 5. How many wheels are there on 13 tricycles altogether? \_\_\_\_\_

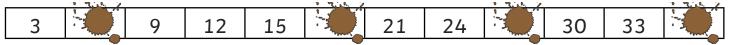
#### **B.** Counting in threes

- 1. Which step of 3 comes **before** 12? \_\_\_\_\_
- 2. Which step of 3 comes **after** 30? \_\_\_\_\_
- 3. Which step of 3 comes **before** 27? \_\_\_\_\_
- 4. Which step of 3 comes **after** 18? \_\_\_\_\_
- 5. Which step of 3 comes **before** 33? \_\_\_\_\_

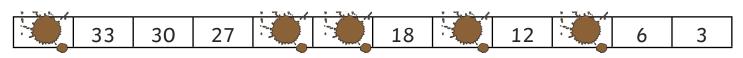


#### **C.** Missing numbers

Some of the numbers on these counting sticks got covered in mud when the tricycles rode over them - oh dear! Can you write in the missing numbers? Be careful – is the counting stick counting forwards or backwards?



1. The missing numbers are \_\_\_\_\_



2. The missing numbers are \_\_\_\_\_



### Answers

#### A. How many wheels?

1. Count in threes to fill in this counting stick:

3	6	9	12	15	18	21	24	27	30	33	36
---	---	---	----	----	----	----	----	----	----	----	----

- 2. How many wheels are there on 7 tricycles altogether? 21
- 3. How many wheels are there on 4 tricycles altogether? **<u>12</u>**
- 4. How many wheels are there on 11 tricycles altogether? 33
- 5. How many wheels are there on 13 tricycles altogether? 39

#### **B.** Counting in threes

- 1. Which step of 3 comes **before** 12? 9
- 2. Which step of 3 comes after 30? 33
- 3. Which step of 3 comes **before** 27? **<u>24</u>**
- 4. Which step of 3 comes after 18? 21
- 5. Which step of 3 comes **before** 33? **<u>30</u>**

#### **C.** Missing numbers

Some of the numbers on these counting sticks got covered in mud when the tricycles rode over them - oh dear! Can you write in the missing numbers? Be careful – is the counting stick counting forwards or backwards?

3	6	9	12	15	18	21	24	27	30	33	36
36	33	30	27	24	21	18	15	12	9	6	3



To count forwards and backwards in steps of three.

#### A. How many wheels?

1. Count in threes to fill in this counting stick:

3 6
-----

- 2. How many wheels are there on 7 tricycles altogether? \_\_\_\_\_
- 3. How many wheels are there on 12 tricycles altogether?
- 4. How many wheels are there on 13 tricycles altogether? \_\_\_\_\_
- 5. How many wheels are there on 14 tricycles altogether? \_\_\_\_\_
- 6. How many wheels are there on 15 tricycles altogether? \_\_\_\_\_
- 7. How many wheels are there on 16 tricycles altogether? \_\_\_\_\_

#### **B.** Counting in threes

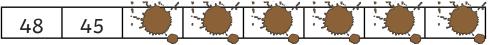
- 1. Which step of 3 comes **before** 36? \_\_\_\_\_
- 2. Which step of 3 comes **after** 36? \_\_\_\_\_
- 3. Which step of 3 comes **before** 27? \_\_\_\_\_
- 4. Which step of 3 comes **after** 42? \_\_\_\_\_
- 5. Which step of 3 comes **before** 48? \_\_\_\_\_



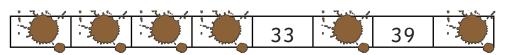


#### C. Missing numbers

Some of the numbers on these counting sticks got covered in mud when the tricycles rode over them - oh dear! Can you write in the missing numbers? Be careful – is the counting stick counting forwards or backwards?



1. The missing numbers are \_\_\_\_\_



2. The missing numbers are \_

#### D. Patterns

Look back at the counting stick you completed in section A. What do you notice about odd and even numbers?



### Answers

#### A. How many wheels?

1. Count in threes to fill in this counting stick:

3 6 9 12 15 18 21 24 27 30 33 30
----------------------------------

- 2. How many wheels are there on 7 tricycles altogether? **<u>21</u>**
- 3. How many wheels are there on 12 tricycles altogether? 36
- 4. How many wheels are there on 13 tricycles altogether? 39
- 5. How many wheels are there on 14 tricycles altogether? <u>42</u>
- 6. How many wheels are there on 15 tricycles altogether? 45
- 7. How many wheels are there on 16 tricycles altogether? <u>48</u>

#### **B. Counting in threes**

- 1. Which step of 3 comes **before** 36? <u>33</u>
- 2. Which step of 3 comes **after** 36? <u>39</u>
- 3. Which step of 3 comes **before** 27? <u>24</u>
- 4. Which step of 3 comes **after** 42? <u>45</u>
- 5. Which step of 3 comes **before** 48? <u>45</u>

#### **C.** Missing numbers

Some of the numbers on these counting sticks got covered in mud when the tricycles rode over them - oh dear! Can you write in the missing numbers? Be careful – is the counting stick counting forwards or backwards?

48	45	42	39	36	33	30	27
21	24	27	30	33	36	39	42

#### D. Patterns

Look back at the counting stick you completed in section A. What do you notice about odd and even numbers?

When counting in threes from zero, the pattern alternates between one odd number and then one even number.

