Year 2 Maths Number and Place Value
Learning from Home Activity Booklet

Year 2 Programme of Study – Number and Place Value

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Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.	Counting in Steps	2	
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Recognise the place value of each digit in a two-digit number (tens, ones).	Tens and Ones	4	
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Compare and order numbers from 0 up to 100; use <, > and = signs.	Hungry Crocodiles	9	
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Counting in Steps

Starting at zero, count in steps of each number up to the 12th step.

Count in twos

0												

Count in threes

0												

Count in fives

0												

Count in tens

0												

Challenge: Can you say the steps out loud without looking at the sheet? Can you say the third step? The sixth step? The tenth step?

Now practise saying the numbers backwards.

Jumping in Tens

Count on in tens. The first one has been done for you.

24	34	44	54	64	74

37					

16					

2					

Explain to your helper what is happening to each number.

Now try counting back in tens:

99					

63					

58					

71					

Tens and Ones

Write how many tens and ones are in these numbers. The first one has been done for you.

48	four tens and eight ones
32	
56	
73	
21	
67	
40	
9	

Now write down the numbers that match these tens and ones.

The first one has been done for you.

| 63	six tens and three ones
	five tens and nine ones
	three tens and no ones
	no tens and seven ones
	eight tens and four ones
	four tens and one one
	nine tens and nine ones
	one ten and six ones

Coin Counting

Each purse contains 10p and 1p coins. Use your knowledge of tens and ones to write how much money is in each purse.
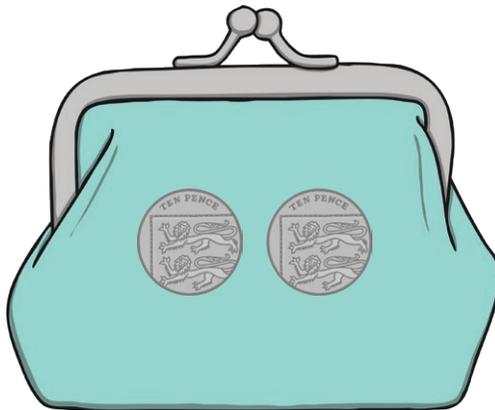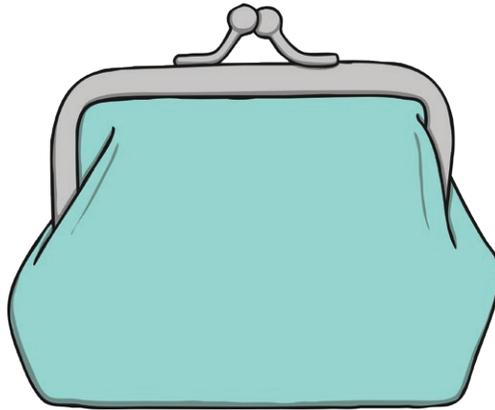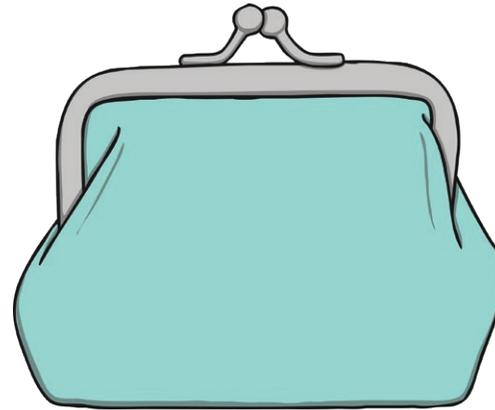
Drawing Coins

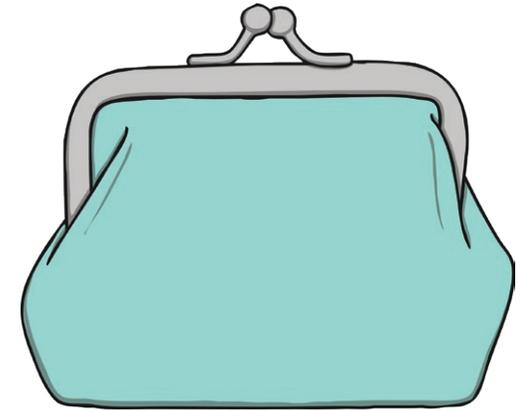Draw 10ps and 1ps in these purses to match the amount written underneath.
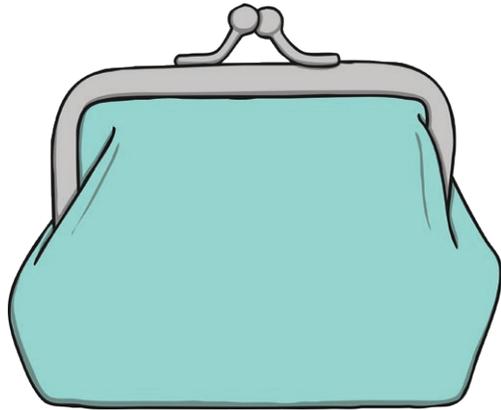
| 25p | 38p | 56p | 60p |

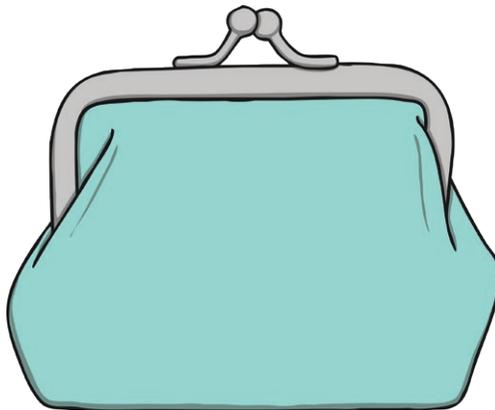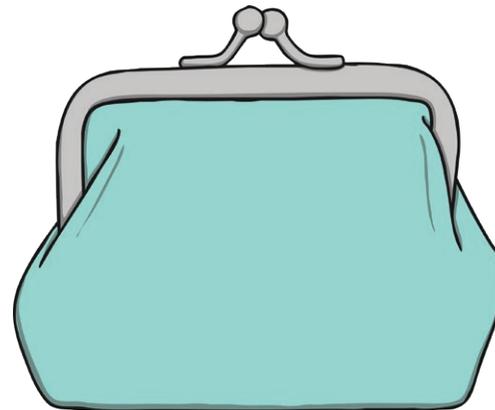| 4p | 41p | 76p | 99p |
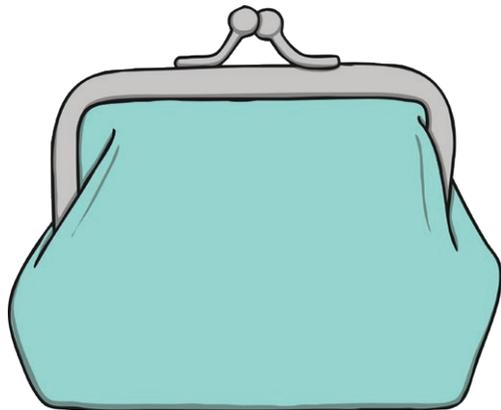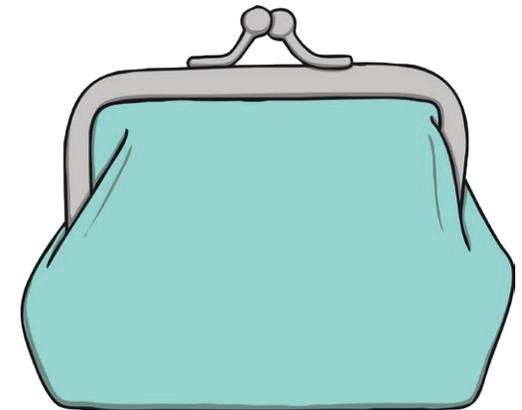
Number Line Mystery

Draw arrows to show where the numbers belong on the number lines. The first one has been done for you.

28

20 ———————————————————————— **30**

43

40 ———————————————————————— **50**

65

60 ———————————————————————— **70**

40

35 ———————————————————————— **45**

99

90 ———————————————————————— **100**

51

47 ———————————————————————— **57**

29

21 ———————————————————————— **31**
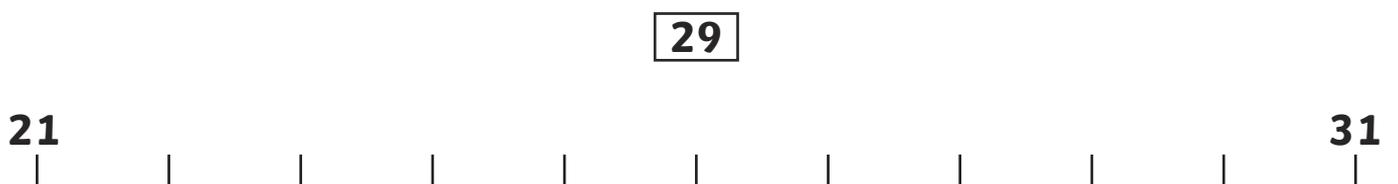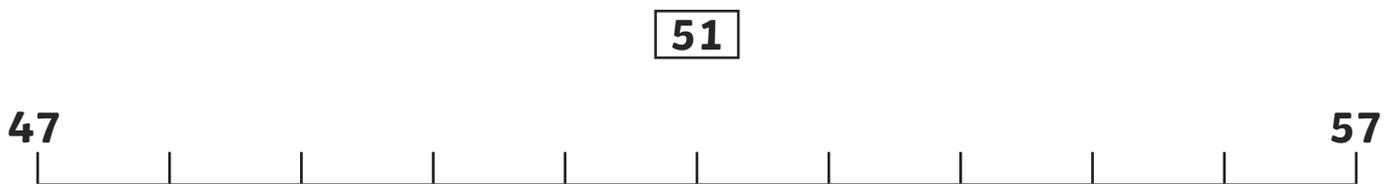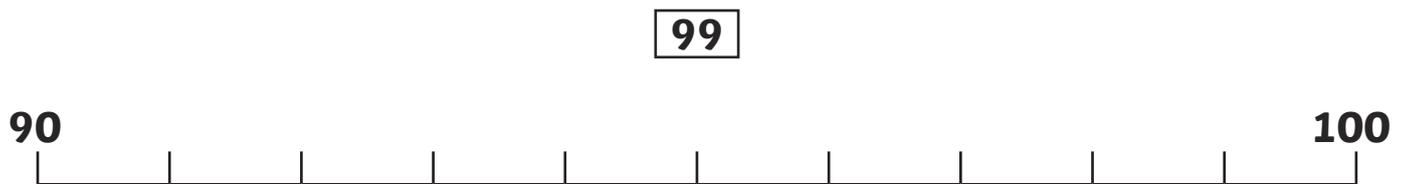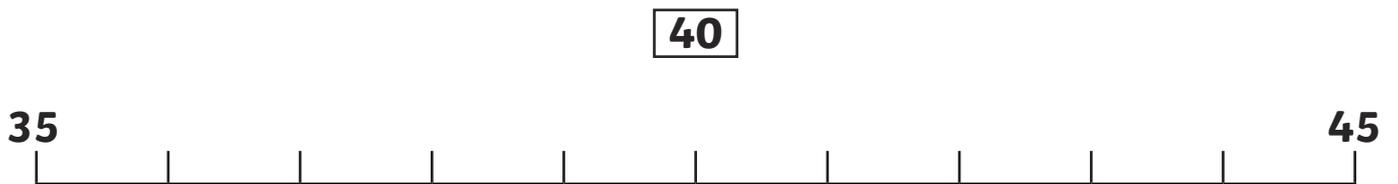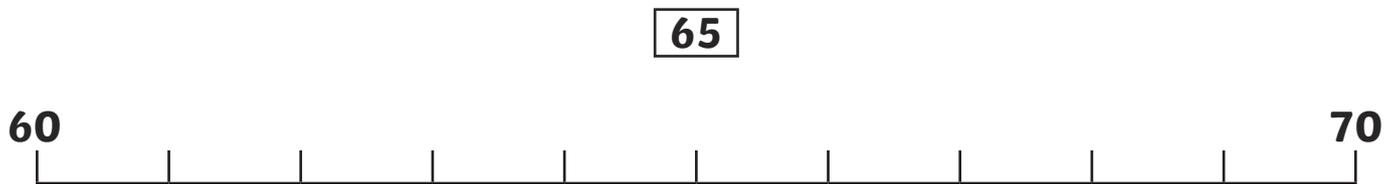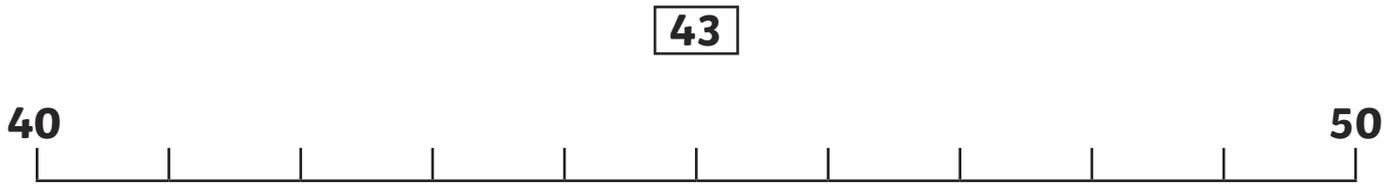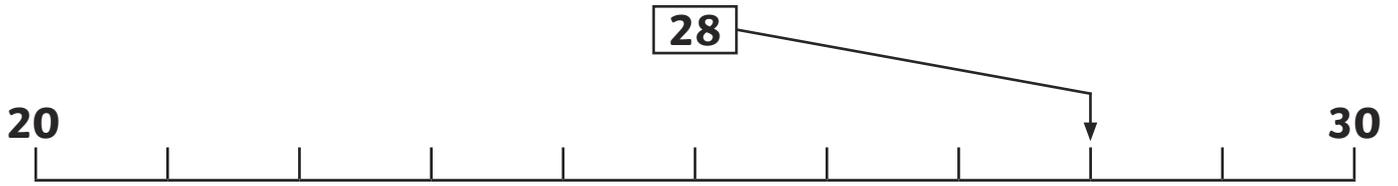
Number Line Mystery - Challenge

Draw arrows to show where the numbers belong on this number line. The first one has been done for you.

35 **62** **3** **95** **27**

35
↓
0 ———————————————————————— 100

Where are the arrows pointing to on this line? Give an approximate answer.

0 ———————————————————————— 100

Where are the arrows pointing to on this line? Give an approximate answer.

0 ———————————————————————— 100
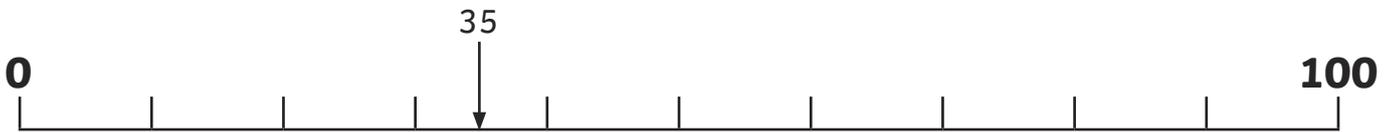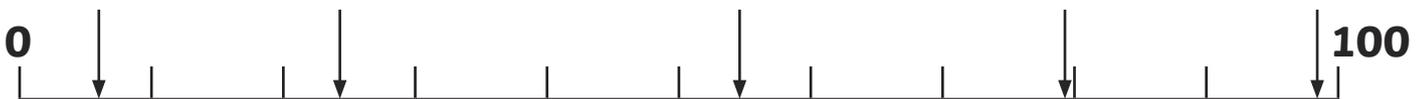
Comparing Numbers

Put the correct sign (<, > or =) between these numbers to show which is bigger. Remember: the crocodile's open mouth always wants to eat the bigger number!

12	☐	35	8	☐	10
43	☐	27	88	☐	91
36	☐	41	77	☐	77
28	☐	92	21	☐	98
46	☐	32	58	☐	57
88	☐	56	96	☐	95
22	☐	22	16	☐	16
98	☐	99	50	☐	20
16	☐	13	62	☐	61

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Finding Numbers

100	45	37	29
66	54	3	90
21	78	85	16

In the table, can you find...?

A number between 30 and 40.	
A number that has 5 tens.	
A number that has no ones.	
A number that has three digits.	
A number that has the same number of tens and ones.	
A number that is 10 more than 75.	
A number that is 10 less than 31.	
A 'teens' number	

Challenge: Make up some questions of your own about the number in the table and see if your helper can answer them.

Number Matching

Match the numbers to the words.

seven	47
thirty-four	13
fifty-three	79
forty-seven	100
eighty	7
ninety-one	34
one hundred	22
twenty-two	80
thirteen	91
seventy-nine	53

Solve It!

Cut out these number cards and place them face down on the table. You and your helper should choose two cards each. You must now both try to make the biggest number you can with your two cards. Whoever makes the biggest number scores a point. Who can be the first to win ten points?

0	1	2	3
4	5	6	7
8	9	0	1
2	3	4	5
6	7	8	9

Challenge: Try making the smallest number you can, or try picking up three cards and making the biggest or smallest number you can.

Number Square Disaster

Some of the numbers have fallen off the number square! How quickly can you put them back?

1		3	4		6	7		9	10
	12	13	14	15	16	17		19	
21				25		27	28		30
31		33	34		36	37	38	39	40
	42		44	45	46			49	
51	52	53		55		57	58	59	
61		63			66	67	68		70
71	72		74		76			79	80
	82	83	84	85		87	88	89	
91		93		95		97		99	100

Counting in Steps **Answers**

Starting at zero, count in steps of each number up to the 12th step.

Count in twos

0	2	4	6	8	10	12	14	16	18	20	22	24

Count in threes

0	3	6	9	12	15	18	21	24	27	30	33	36

Count in fives

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

Count in tens

0	10	20	30	40	50	60	70	80	90	100	110	120

Challenge: Can you say the steps out loud without looking at the sheet? Can you say the third step? The sixth step? The tenth step?

Now practise saying the numbers backwards.

Jumping in Tens **Answers**

Count on in tens. The first one has been done for you.

24	34	44	54	64	74

37	47	57	67	77	87

16	26	36	46	56	66

2	12	22	32	42	52

Explain to your helper what is happening to each number.

Now try counting back in tens:

99	89	79	69	59	49

63	53	43	33	23	13

58	48	38	28	18	8

71	61	51	41	31	21

Tens and Ones **Answers**

Write how many tens and ones are in these numbers. The first one has been done for you.

48	four tens and eight ones
32	three tens and 2 ones
56	five tens and 6 ones
73	seven tens and 3 ones
21	two tens and 1 one
67	six tens and 7 ones
40	four tens and no ones
9	no tens and 9 ones

Now write down the numbers that match these tens and ones.

The first one has been done for you.

63	six tens and three ones
59	five tens and nine ones
30	three tens and no ones
7	no tens and seven ones
84	eight tens and four ones
41	four tens and one one
99	nine tens and nine ones
16	one ten and six ones

Coin Counting **Answers**

Each purse contains 10p and 1p coins. Use your knowledge of tens and ones to write how much money is in each purse.
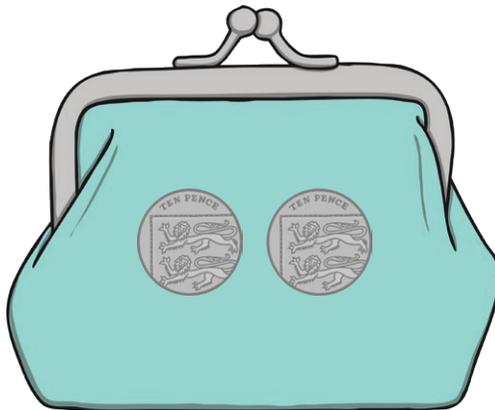
53p	69p	7p	15p
33p	20p	44p	72p

Drawing Coins **Answers**

Draw 10ps and 1ps in these purses to match the amount written underneath.

| 25p | 38p | 56p | 60p |

| 4p | 41p | 76p | 99p |

Number Line Mystery **Answers**

Draw arrows to show where the numbers belong on the number lines. The first one has been done for you.

28

20   **30**

43

40   **50**

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60   **70**

40

35   **45**

99

90   **100**

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47   **57**

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21   **31**
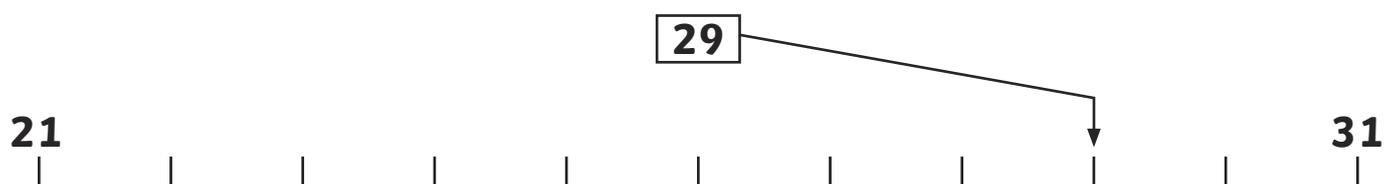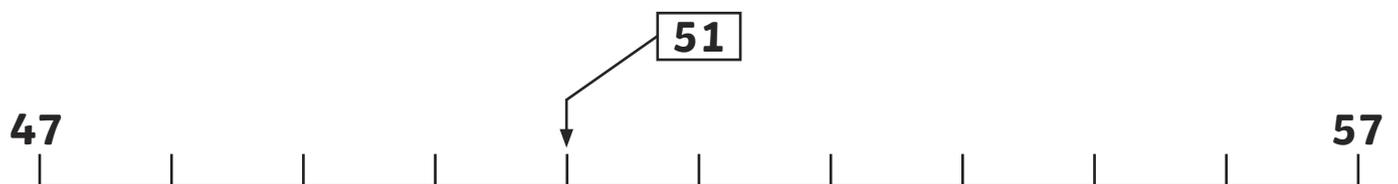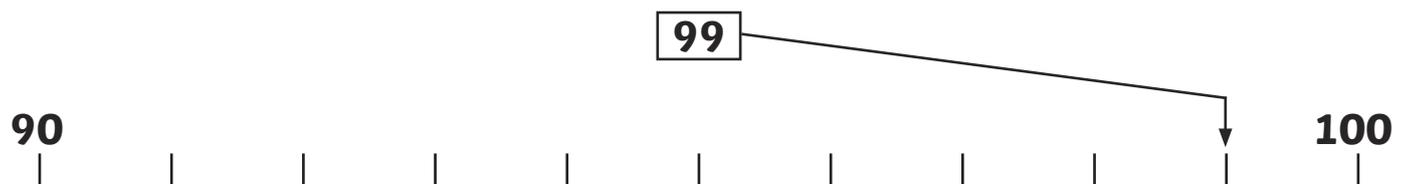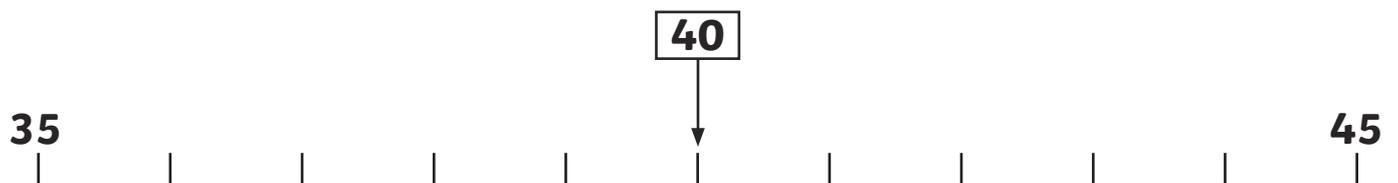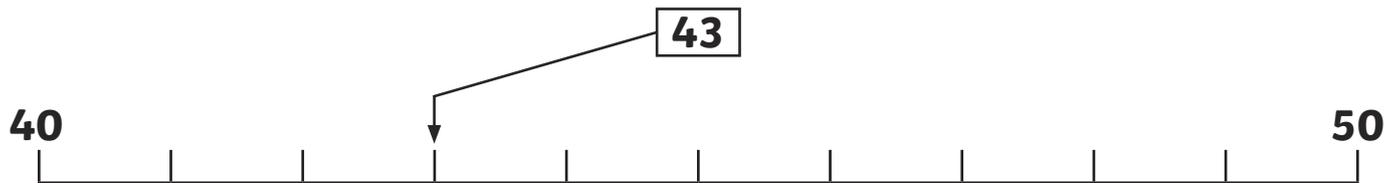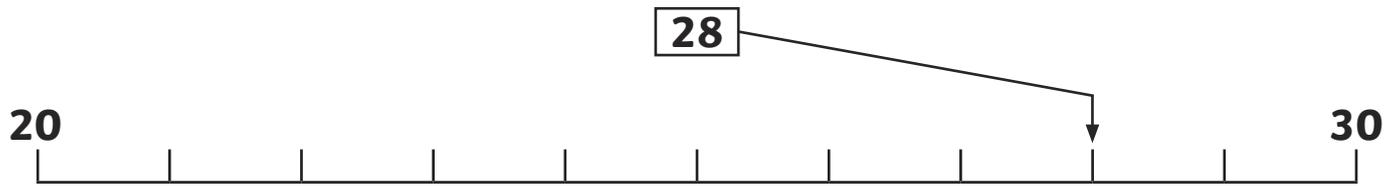
Number Line Mystery - Challenge **Answers**

Draw arrows to show where the numbers belong on this number line. The first one has been done for you.

35 **62** **3** **95** **27**

3   27   35   62   95
0   **100**

Where are the arrows pointing to on this line? Give an approximate answer.

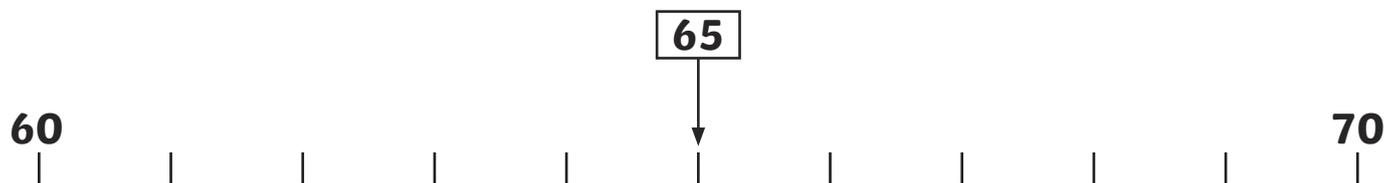4-6   14-16   37-39   74-76   87-89
0   **100**

Where are the arrows pointing to on this line? Give an approximate answer.

5-7   23-25   53-55   78-80   97-99
0   **100**

Comparing Numbers **Answers**

Put the correct sign (<, > or =) between these numbers to show which is bigger. Remember: the crocodile's open mouth always wants to eat the bigger number!

12	<	35	8	<	10
43	>	27	88	<	91
36	<	41	77	=	77
28	<	92	21	<	98
46	>	32	58	>	57
88	>	56	96	>	95
22	=	22	16	=	16
98	<	99	50	>	20
16	>	13	62	>	61

Finding Numbers **Answers**

100	45	37	29
66	54	3	90
21	78	85	16

In the table, can you find...?

A number between 30 and 40.	**37**
A number that has 5 tens.	**54**
A number that has no ones.	**90 or 100**
A number that has three digits.	**100**
A number that has the same number of tens and ones.	**66**
A number that is 10 more than 75.	**85**
A number that is 10 less than 31.	**21**
A 'teens' number	**16**

Challenge: Make up some questions of your own about the number in the table and see if your helper can answer them.

Number Matching **Answers**

Match the numbers to the words.

seven

thirty-four

fifty-three

forty-seven

eighty

ninety-one

one hundred

twenty-two

thirteen

seventy-nine

47

13

79

100

7

34

22

80

91

53
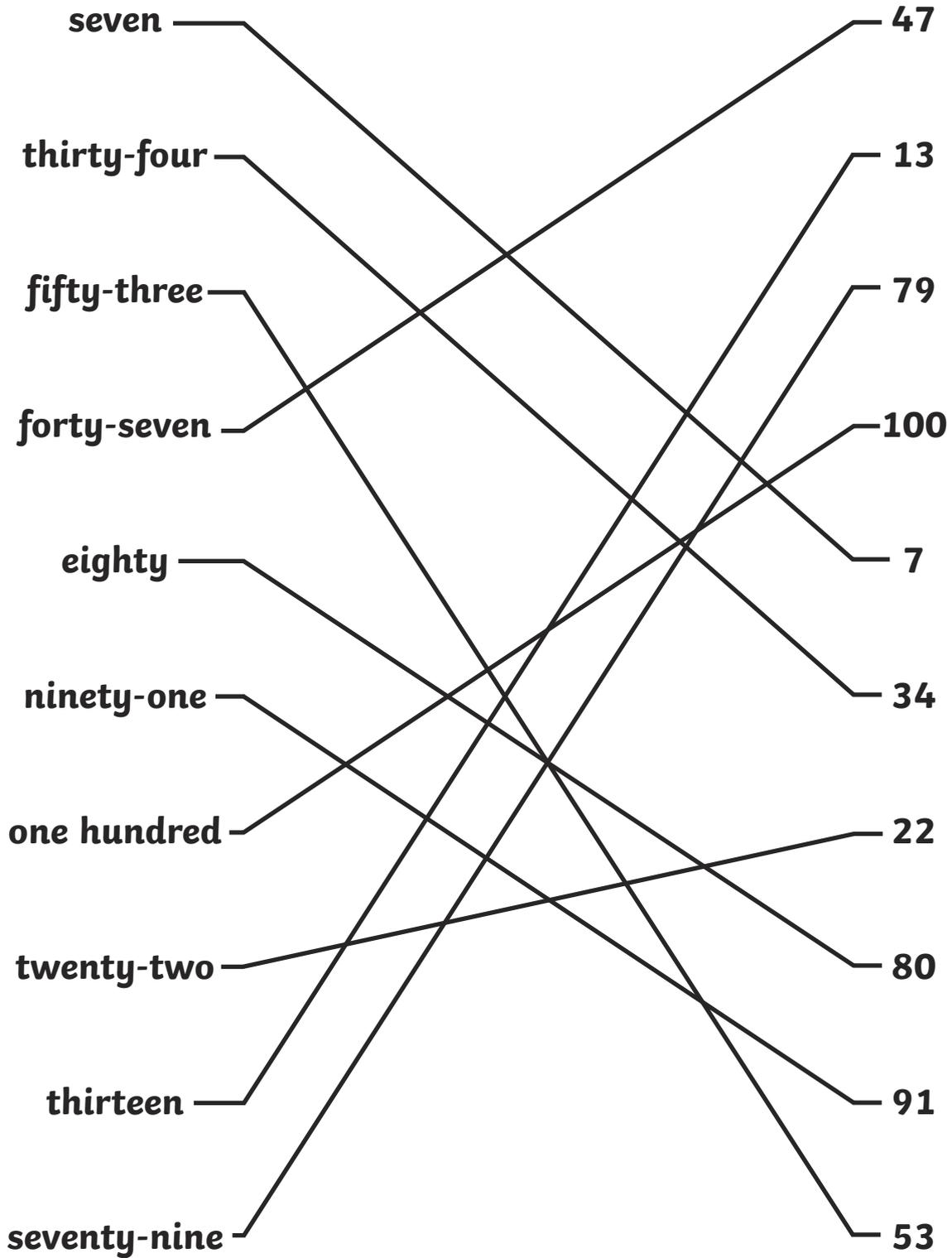
Number Square Disaster **Answers**

Some of the numbers have fallen off the number square! How quickly can you put them back?

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