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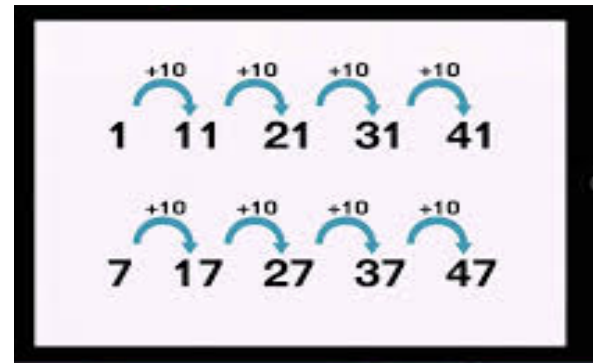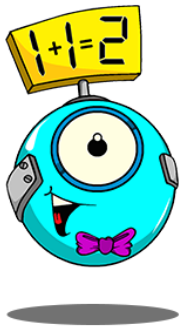
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Fluency

Practise counting on and back in 10s from:

7   9   5   2

Explain to your grown up what happens to the ten and ones.

Recap

Have a go at this task. It is based on our work from yesterday.

1 Colour the number square by following the instructions.

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

a) Colour 10 more than 17 red.
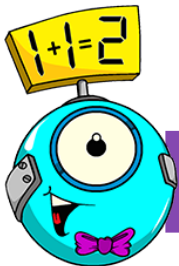
b) Colour 10 less than 45 blue.

c) Colour 10 more than 63 green.

d) Colour 10 less than 84 orange.

e) Colour 10 more than 71 pink.

f) Colour 10 less than 98 purple.

g) Colour 10 more than 49 yellow.

Write each pair as a number sentence e.g 55+10= 65

Answers

Which direction will your finger move on a hundred square if you are finding ten more or ten less?

1 Colour the number square by following the instructions.

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

a) Colour 10 more than 17 red.

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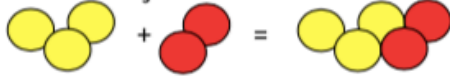
g) Colour 10 more than 49 yellow.

Vocabulary

Addition Symbol

We use the **+** sign to show addition.

You can bring together 2 or more numbers or objects together and find the total.

$$3 + 2 = 5$$

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Subtraction Symbol

We use the **—** sign to show subtraction.

We can also say take away, because you are taking away one number from another.

$$3 - 2 = 1$$

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Pattern

A list of numbers that follow a certain rule which turns into a pattern.
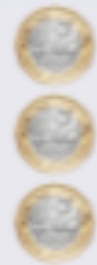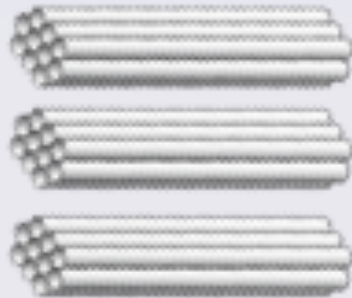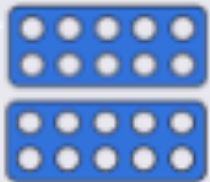
$$0 + 10$$
$$1 + 9$$
$$2 + 8$$
$$3 + 7$$

The numbers on this side are going up by 1 each time.

The numbers on this side are going down by 1 each time.

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Anchor Task

Which one doesn't belong?

Explain your answer.

Answer

Which one doesn't belong?

Explain your answer.

The straws don't belong as there are 3 bundles of 10 straws and 3 single straws totalling 33 straws, whereas the Numicon Shapes have a total of 23 and the notes and coins have a total of £23.

Today's Learning

We ♥ Maths

Today we will be learning about adding and subtracting tens. We have touched on this before, so I know that you can do this and I can't wait to see your work.

First of all go to:
https://whiterosemaths.com/homelearning/year-2/week-6-number-addition-subtraction/
Choose the lesson called adding and subtracting 10s. Watch the whole video – don't stop to complete the questions as you go! After you have watched the whole video then complete the activities.

Remember that all your work can be done on paper – there's no need to print anything!

Please send your completed work to me at year2@st-jo-st.dudley.sch.uk

Your Task 1:

1 **a)** Eva has some marbles.

`10` `10` `10` `10`

How many marbles does Eva have?

Eva has ☐ marbles.

She buys 3 more boxes of marbles.

How many marbles does she have now? ☐

b) Teddy has some marbles.

`10` `10` `10` `10` `10` `10` `10`

How many marbles does Teddy have?
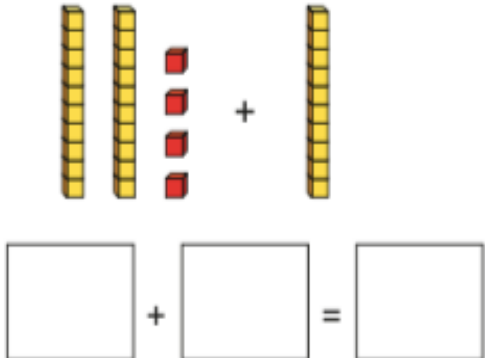
Teddy has ☐ marbles.

He gives 5 boxes of marbles to his friend.

How many marbles does he have now? ☐
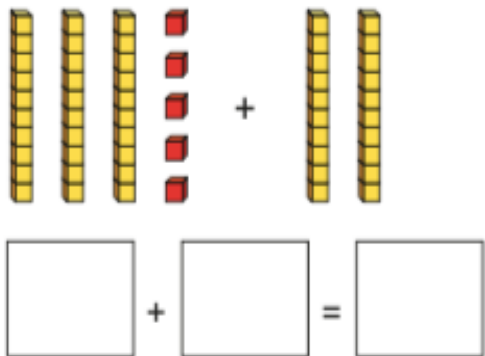
2 What calculations are represented?

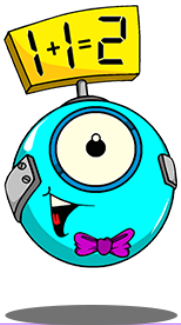Complete the number sentences.

a)

☐ + ☐ = ☐

b)

☐ + ☐ = ☐

Activity 1

Using a hundred square, circle the number that is 20 more than 34. Circle the number that is 20 less than 34. Repeat in different colours for 6 different numbers. What do you notice?

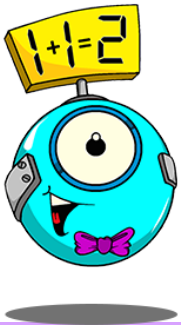| 1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
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71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Do the same with other numbers. What do you notice?

Answers

Using a hundred square, circle the number that is 20 more than 34. Circle the number that is 20 less than 34. Repeat in different colours for different numbers. What do you notice?

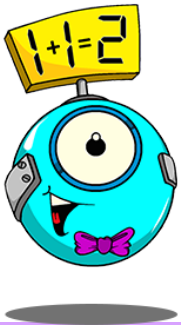| 1	2	3	4	5	6	7	8	9	10
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31	32	33	34	35	36	37	38	39	40
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51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Did you notice that the ones stay the same?

Challenge

Repeat this task but adding and subtracting 30 each time. What do you notice?

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

Do the same with other numbers. What do you notice?

3 Use base 10 to complete the calculations.

a) 24 + 20 = ☐

b) 17 + 50 = ☐

c) 40 + 16 = ☐

Remember you can just draw sticks and circles to represent Base 10 equipment

4 What calculation is represented?
Complete the number sentence.

Tens	Ones

☐ − ☐ = ☐

5 Use base 10 to complete the calculations.

a) 34 − 20 = ☐

b) 57 − 20 = ☐

c) 46 − 40 = ☐

⭐ = 30   🌙 = 10   ☀ = 40

Complete the calculations.

a) ⭐ + ☀ = ☐

b) ⭐ − 🌙 = ☐

c) ☀ − ⭐ = ☐

Your Task 3

1. Complete the number tracks.

a. Add on 20 each time.

6		46		

b. Subtract 20 each time.

94				14

2. Complete the missing answers.

	10 less	89	10 more	
	20 less	67	20 more	
	20 less	22	20 more	
	30 less	31	30 more	
	30 less	43	30 more	
	40 less	54	40 more	

Deepen it

Circle the incorrect calculations.

14 + 20 = 24   26 + 40 = 64

55 = 85 – 30   98 = 78 – 20

62 – 30 = 32   40 + 41 = 18

Write the correct calculations in the boxes below.

Reasoning

How many crayons do they have left?
Explain your reasoning.

Reasoning: Answers

Class 3 gives away two of their full packets of crayons. Each full packet has 10 crayons.

33

They will have three full packs left which is three tens, and three crayons which represents three ones.

Answers: Pages 9 and 13

Question	Answer
1	a) Eva has **40** marbles. 70 b) Teddy has **70** marbles. 20
2	a) $24 + 10 = 34$ b) $35 + 20 = 55$
3	a) 44 b) 67 c) 56
4	$34 - 10 = 24$
5	a) 14 b) 37 c) 6

a) 70
b) 20
c) 10

Answers: Pages 14

1 Complete the number tracks.

a Add on 20 each time.

6	26	46	66	86

b Subtract 20 each time.

94	74	54	34	14

2 Complete the missing answers.

79	← 10 less —	89	— 10 more →	99
47	← 20 less —	67	— 20 more →	87
2	← 20 less —	22	— 20 more →	42
1	← 30 less —	31	— 30 more →	61
13	← 30 less —	43	— 30 more →	73
14	← 40 less —	54	— 40 more →	94

Deepen it

The incorrect calculations are:

14+20 = 24
It should be 14+20 = 34

26+40 = 64
It should be 26 + 40 = 66

98= 78-20
It should be 98 = 78 + 20

40 + 41 = 18
It should be 40 + 41 = 81

Well done Year 2. You are real superstars. I can't wait to see your work. Please send it to me using our new class e-mail: year2@st-jo-st.dudley.sch.uk