Maths
Revising adding by making 10

7 + 6 = 10 + 3 = 13

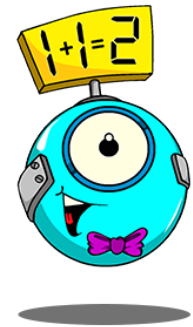# **Fluency**

Begin by practising counting on and back in 10s from any number. Then practise counting in 3s

Now have a go at these questions:

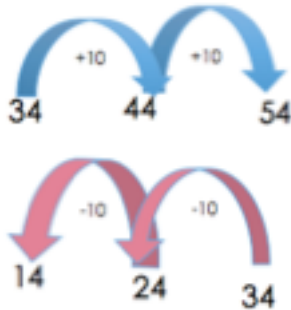|		
1	$7 + 6 =$ ___	/1
2	One more than 14 is ___ .	/1
3	$20 =$ ___ $+ 16$	/1
4	$100 -$ ___ $= 10$	/1
5	$5 + 4 + 5 =$ ___	/1

Write a number story for one of these calculations

Recap

Yesterday, we looked at adding on a numbr line and using the column method.

Number line

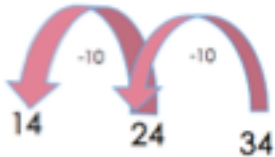

Column Method

Tens	Ones
⏐⏐⏐⏐⏐	∷ ∷
⏐⏐⏐	
8	6

```
  5 6
+ 3 0
―――
  8 6
```

These are the methods we used yesterday.

Recap

Number line

Column Method

Tens	Ones
|||||	⋮⋮⋮
8	6

```
  5 6
+ 3 0
  8 6
```

26 + 30 =

42 – 10 =

76 – 40 =

39 + 50 =

17 +60 =

6+ 50 =

32 + 40 =

You don't need to print anything! You can just write your answers on paper.

Have a go at these questions, just to recap. You can choose which method you use. Remember to check if you are adding or subtracting.
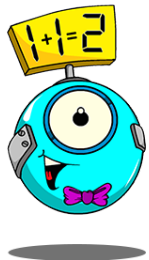
Make up 2 examples of your own and write a number story for each one.

Answers

26 + 30 = 56

42 − 10 = 32

76 − 40 = 36

39 + 50 = 89

17 +60 = 76

6 + 50 = 56

32 + 40 =**72**

Let me know how you are feeling about this work.

Vocabulary

Ten Frames

10 boxes that can help us add in an easier way.

Pattern

A list of numbers that follow a certain rule which turns into a pattern.

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

$$0 + 10$$
$$1 + 9$$
$$2 + 8$$
$$3 + 7$$

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

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Efficient

Working in a way without wasting time.

$$18 + 6 =$$
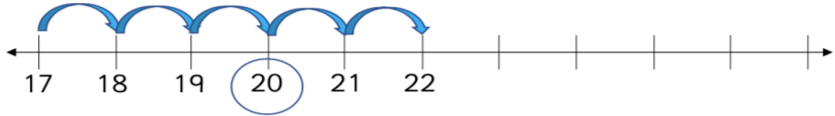
An efficient way of adding would be to count on from 18 instead of starting from 0.

Calculation

Working out the answer to a maths problem.

$$4 + 5 = 9$$

$$10 - 5 = 5$$

$$20 - 4 = 16$$

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Crossing 10

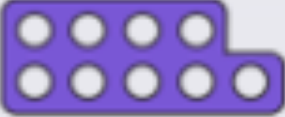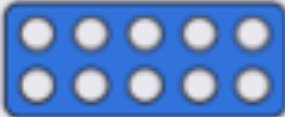Going past a multiple of 10 when you are adding or subtracting.

$$17 + 5 = 22$$

17   18   19   20   21   22
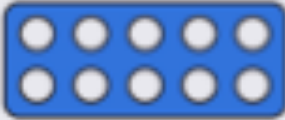
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Anchor Task

Which one doesn't belong?

Explain your answer.

Answer

Which one doesn't belong?

Explain your answer.

Although all of the representations above show 19, the 20 Frame (two 10 Frames) with counters doesn't belong as it shows 12 and 7, whereas the Numicon Shapes and number bead string both show 10 and 9 making 19.

Get Ready

Do you know your number bonds to 10?
I'm sure you do.
How quickly can you write them down? Can you write them in an ordered list?
Think about how Mrs Riley wrote them out in class last week.
Write them down. You could use different colours if you want to!

Get Ready

1 + 9
2 + 8
3 + 7
4 + 6
5 + 5
6 + 4
7 + 3
8 + 2
9 + 1
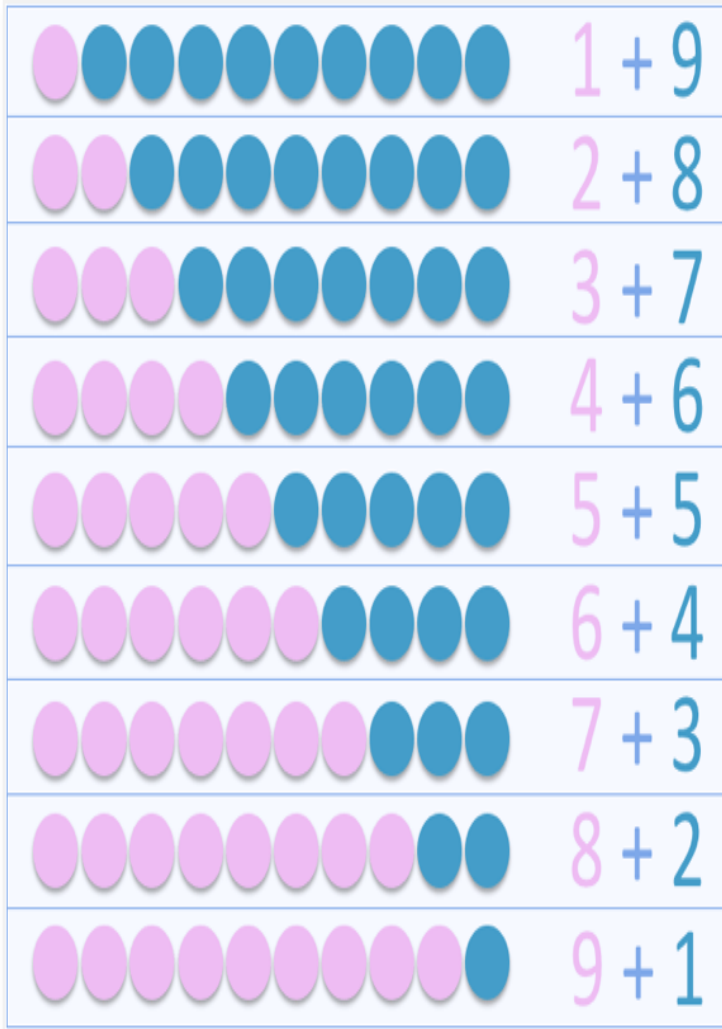
What patterns do you notice. Look at the two columns on numbers. What is happening. Can you see how one column increases – gets bigger- by 1 each time and the other column decreases – gets smaller- by 1 each time

Today's Learning

Today's learning is a revision lesson. It's all about using the strategy of making 10 to help you add two numbers together. This is something that you looked at n Year 1 but it is really important to revise it to help us with our maths work over the next few weeks.

First of all go to:

https://whiterosemaths.com/homelearning/year-2/week-6-number-addition-subtraction/

Choose the lesson called Add by making 10. Watch the video. This time you can pause to complete the questions as you go.

I've added some additional tasks to complete if you want to.

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 Draw counters to show that 5 + 6 is the same as 10 + 1

2 Complete the additions.

Use ten frames to help you.

a) 8 + 3 = 10 + ☐

b) 9 + 7 = 10 + ☐

c) 7 + 5 = 10 + ☐

d) 6 + 8 = 10 + ☐

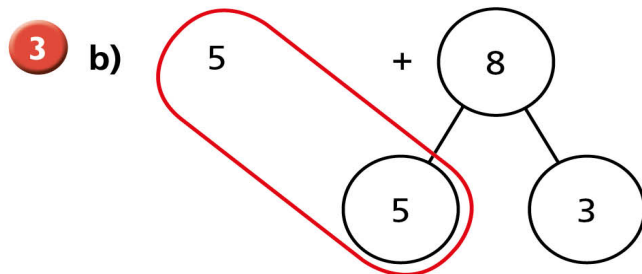There are some Tens Frames at the end of the file if you want them or you can just draw your own.

Your Task 2

3 Use number bonds to complete the additions.
The first one has been done for you.

a)

8 + 7

2 5

10 + 5 = 15

3 b)

5 + 8

5 3

10 + 3 = ▢

3 c)

6 + 9

○ ○
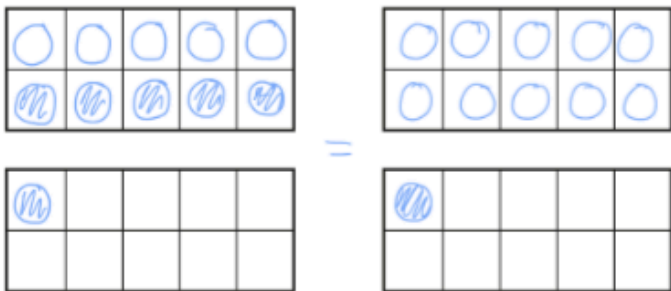
▢ + ▢ = ▢
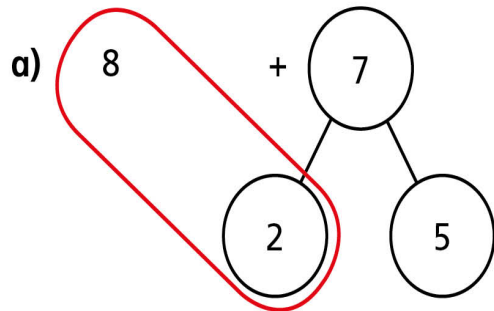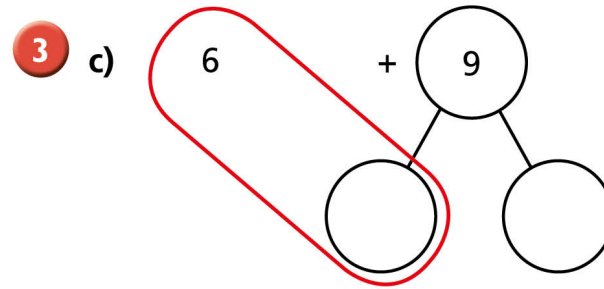
Answers

1 The ten frames show that 6 + 7 is the same as 10 + 3
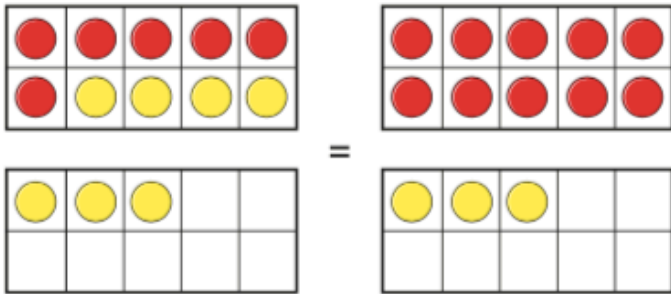
=

Draw counters to show that 5 + 6 is the same as 10 + 1

=

2 Complete the additions.
Use ten frames to help you.

a) 8 + 3 = 10 + 1

b) 9 + 7 = 10 + 6

c) 7 + 5 = 10 + 2

d) 6 + 8 = 10 + 4

3 Use number bonds to complete the additions.
The first one has been done for you.
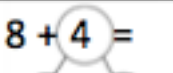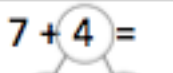
a) 8 + 7
        2   5

10 + 5 = 15

b) 5 + 8
        5   3

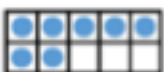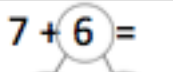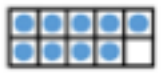10 + 3 = 13

c) 6 + 9
        4   5

10 + 5 = 15
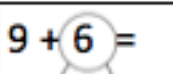
Extra Practice – if you want

LO: To add by making ten [using a tens frame]

$8 + 4 =$ → $10 + \_\_ = \_\_$

$7 + 4 =$ → $10 + \_\_ = \_\_$

$7 + 6 =$ → $10 + \_\_ = \_\_$

$9 + 6 =$ → $10 + \_\_ = \_\_$

$9 + 5 =$ → $10 + \_\_ = \_\_$

Have a go at these questions if you want some more practice.

Make up 3 examples of your own and write a number story for each one.

Reasoning

Mrs Riley is calculating 7 + 5.

Talk to your grown up about your ideas.

7 + 5
4 1

7 + 5
3 2

7 + 5
6 1

7 + 5
5 2

Which of these methods is most helpful? Why?

Reasoning

Mrs Riley is calculating 7 + 5.

7 + 5
4 1

7 + 5
3 2

7 + 5
6 1

7 + 5
5 2

Which of these methods is most helpful? Why?

Partitioning the 5 into 3 and 2 is helpful as 7 and 3 make 10.

Partitioning the 7 into 5 and 2 is helpful as 5 and 5 make 10.
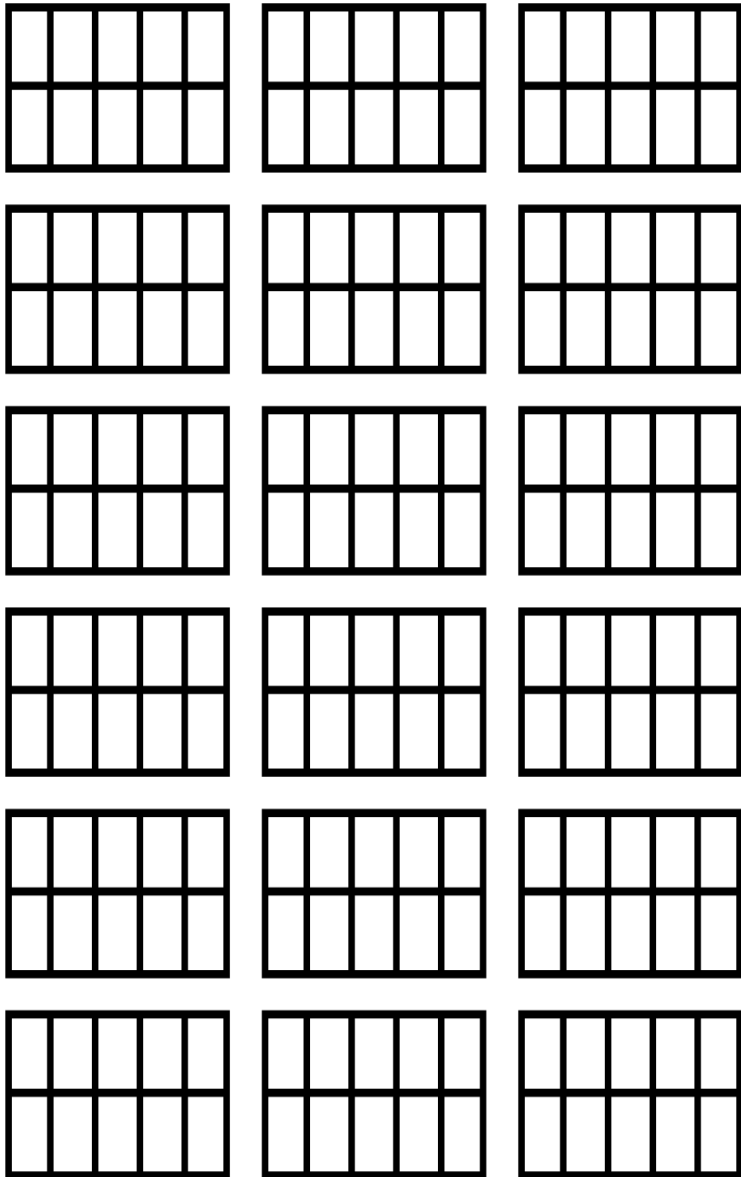
These are blank tens frames in case you need them.

Well done Year 2. You are fantastic. 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