



<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Maths



After watching the videos and doing the practice activities, have a go at these activities. Depending on your confidence choose Mild, Medium or Spicy. **Adults** we have now attached an answer sheet for all of the activities on this worksheet (year 2 home learning page, week 3, answers).

Remember, these activities are to work from, not on. There is no expectation to complete all of the work or to print worksheets off – children can work on paper if they want to write it down. It is also fine for your child to just say the answer, or for instance, where it says 'circle all of the number bonds' it's fine for them to simply point to them! 😊

Extensions – You may wish to deepen your learning by looking at the worksheets provided by the BBC too.

This week in Maths we will be focusing on: **Addition and Subtraction**

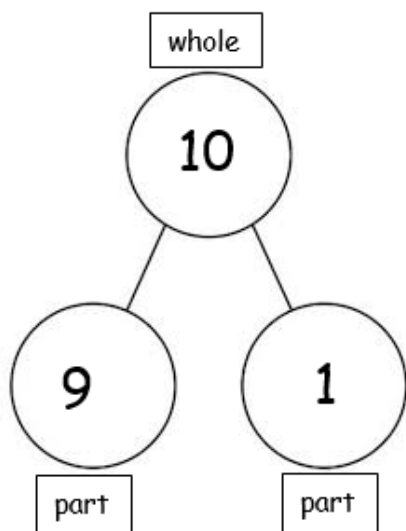
Monday

Part whole relationships and fact families

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

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Mild



Example:

$$9 + 1 = 10$$

$$1 + 9 = 10$$

$$10 - 9 = 1$$

$$10 - 1 = 9$$

Part whole relationships to 10
How many different ways can you make 10? (think of your numberbonds)

Then can you use part - part - wholes to represent this and write the relationships next to them, see below.

What calculations are represented?

The first one has been done for you.

a) 
 $15 + 5 = 20$

b) 
 + =

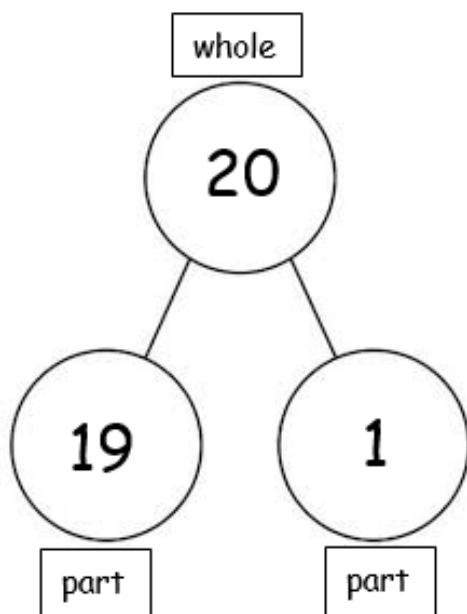
c) 
 + =

Medium

Part whole relationships to 20

How many different ways can you make 20? (think of your numberbonds)

Then can you use part - part - wholes to represent this and write the relationships next to them, see below.



Example:

$$19 + 1 = 20$$

$$1 + 19 = 20$$

$$20 - 19 = 1$$

$$20 - 1 = 19$$

Complete the fact family.

a) $15 + 2 = 17$

$17 = 15 + 2$

$2 + 15 = \boxed{}$

$\boxed{} = \boxed{} + \boxed{}$

$17 - 15 = \boxed{}$

$\boxed{} = \boxed{} - \boxed{}$

$\boxed{} - \boxed{} = \boxed{}$

$\boxed{} = \boxed{} - \boxed{}$

b)



$2 - 17 = 15$ should
be in the fact family.

Explain why Rosie is wrong.

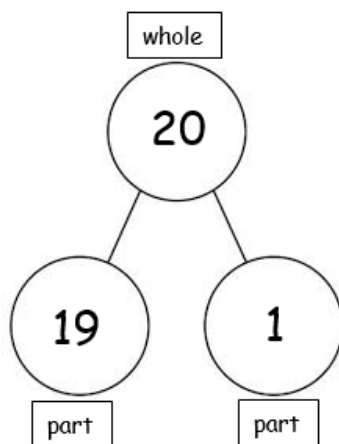
Hint: When subtracting, what number ALWAYS comes first?

Spicy

Part whole relationships to 20

How many different ways can you make 20? (think of your numberbonds)

Then can you use part - part - wholes to represent this and write the relationships next to them, see below.



Example:

$19 + 1 = 20$

$1 + 19 = 20$

$20 - 19 = 1$

$20 - 1 = 19$

Circle any incorrect calculations.

$3 + 7 = 10$

$10 = 3 + 7$

$7 + 3 = 10$

$10 = 7 + 3$

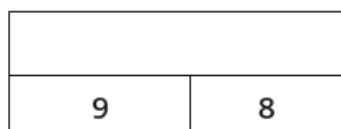
$10 - 7 = 3$

$7 - 3 = 10$

$3 - 10 = 7$

$7 = 10 - 3$

There are 9 boys and 8 girls in a class.
Complete the bar model to represent this.



Write the fact family for the bar model.

Explain the mistake that has been made.

$8 - 5 = 3$

$8 - 3 = 5$

$8 = 5 - 3$

$3 = 8 - 5$

Rosie says,



Ron disagrees.

Who is correct? Can you prove it?

I think that all of these facts are correct because the numbers are related

Tuesday

Comparing number sentences

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Mild

Mo has 4 blue sweets and 3 pink sweets.



Rosie has 4 blue sweets and 5 pink sweets.



Who has more sweets? _____

Fill in the circles with either $<$, $>$ or $=$

$6 + 4 \quad \bigcirc \quad 6 + 5$

$6 + 4 \quad \bigcirc \quad 3 + 6$

$11 - 4 \quad \bigcirc \quad 12 - 5$

$11 - 4 \quad \bigcirc \quad 12 - 4$

Remember, you can draw counters to help you out!

Draw counters to show $9 + 3$ (use 2 different colours to represent each number)

Draw counters to show $9 + 4$ (use 2 different colours to represent each number)

Write $<$, $>$ or $=$ to make the statement correct.

$$9 + 3 \bigcirc 9 + 4$$

Medium

Write $<$, $>$ or $=$ to make the statements correct.

a) $3 + 5 \bigcirc 3 + 9$

b) $7 + 2 \bigcirc 4 + 2$

c) $10 + 5 \bigcirc 9 + 6$

Cross out counters to show $9 - 3$



Cross out counters to show $9 - 4$



Write $<$, $>$ or $=$ to make the statement correct.

$$9 - 3 \bigcirc 9 - 4$$

You can draw the counters yourself and then cross them out.

Complete the missing numbers.

$$5 + 3 = 6 + \underline{\quad}$$

$$5 + 3 = \underline{\quad} + 6 = 7 + \underline{\quad}$$

$$\underline{\quad} + 3 = \underline{\quad} + 4 = 5 + 5$$

You may want to get an adults help with this question 😊

Spicy

Complete the additions.

a) $4 + 1 = 3 + \square$

b) $14 + 1 = 13 + \square$

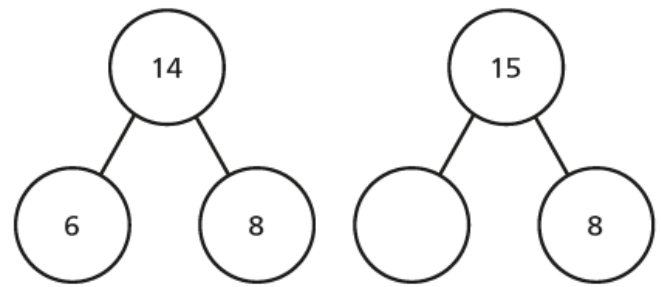
c) $9 + 11 = \square + 10$

d) $10 + 9 = \square + 8 = 12 + \square$

Both missing numbers are less than 10

$$7 + \square < 7 + \square$$

How many different possible answers can you find?

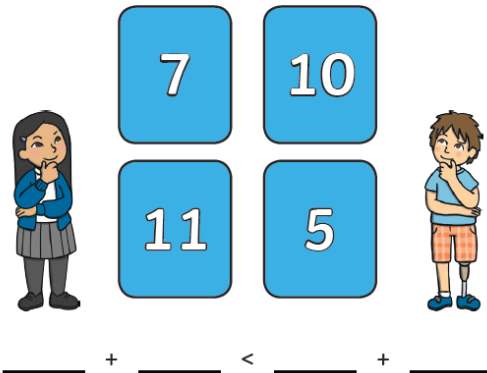


Teddy knows what the missing number is without calculating.

Explain how Teddy knows this.

What is the missing number?

Use these four cards to complete the statement correctly in as many different ways as you can. You can only use each card once.



Wednesday

Related facts

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Mild

Use base 10 to show that $3 + 5 = 8$ and $30 + 50 = 80$

Draw your answer.

What is the same about your models?

What is different?

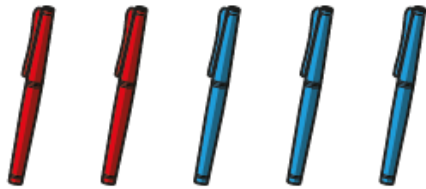
Do the same for the following number sentences:

$4 + 3 = ____$ so $40 + 30 = ____$

$2 + 7 = ____$ so $20 + 70 = ____$

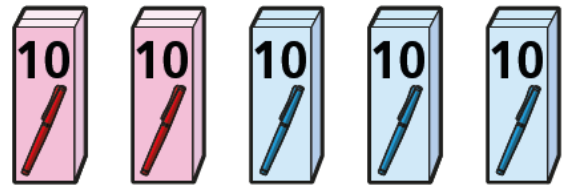
Adults - check answers for an example

a) Eva has 2 red pens and 3 blue pens.



How many pens does Eva have?

b) Tommy has 20 red pens and 30 blue pens.



How many pens does Tommy have?

Medium

Fill in the missing numbers in the related facts.

a) $1 + 2 = 3$

$10 + 20 =$

b) $7 + 2 = 9$

$70 + 20 =$

c) $4 + 6 =$

+ 60 = 100

d) $1 + 8 =$

+ 10 = 90

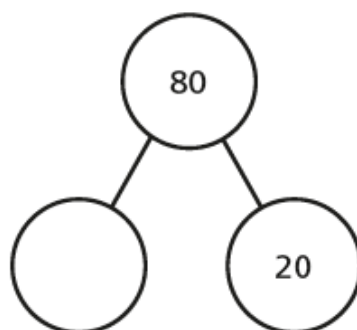
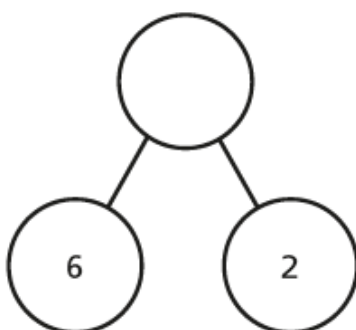
e) $3 + 4 =$

+ = 70

f) $8 +$ = 8

+ 80 = 80

Complete the part-whole models.



Can you create your own part-whole models using this one as an example?

You could also use other ways of representation e.g. bar models, number lines, tens and ones (base 10).

Spicy

Fill in the missing numbers in the related facts.

a) $5 - 3 = 2$

$50 - 30 =$

b) $7 - 1 = 6$

$70 - 10 =$

c) $10 - 6 =$

$- 60 = 40$

6



If $3 + 1 = 4$,
then $30 + 10 = 400$ because
there are two zeros.

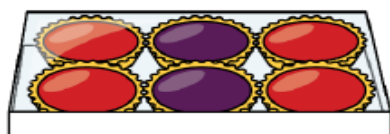
Do you agree with Dexter? _____

Explain your answer.

Whitney has 3 jam tarts.



Tommy has 6 jam tarts.



Altogether they have 9 jam tarts.

$3 + 6 = 9$

So

$\underline{\quad} + \underline{\quad} = 90$

What if all of the red jam tarts are eaten?

What if all of the purple jam tarts are eaten?

Mild, Medium and Spicy - Extra activity

Continue the pattern.

$$90 = 100 - 10$$

$$80 = 100 - 20$$

$$70 = 100 - 30$$

What are the similarities and difference between this pattern and the following one?

$$9 = 10 - 1$$

$$8 = 10 - 2$$

$$7 = 10 - 3$$

Thursday

Two digit numbers - add/subtract 1

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Mild

a) Jack has 6 cookies.



Annie gives him one more cookie.
How many cookies does he have now?

Jack has cookies now.

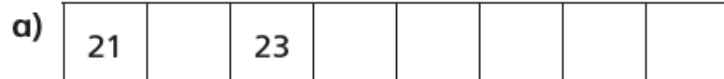
Amir has 4 cookies.



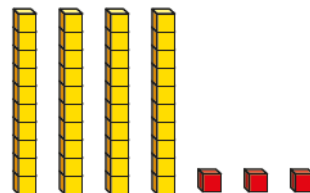
He eats one of his cookies.
How many cookies does he have now?

Amir has cookies now.

Complete the number tracks.



a) Filip has made a number using base 10



What number has Filip made?

b) Rosie also makes a number using base 10
Rosie's number is one more than Filip's number.

What is Rosie's number?

Medium

Complete the calculations.

a) $14 + 1 = \square$

e) $19 - 1 = \square$

b) $22 + 1 = \square$

f) $33 + \square = 34$

c) $54 + 1 = \square$

g) $18 = 19 - \square$

d) $\square = 1 + 61$

h) $\square = 89 - 1$

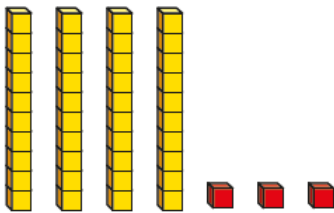
c) Ron's number is 2 more than Filip's number.

What is Ron's number? $\square$

d) Dora's number is 1 less than Filip's number.

What is Dora's number? $\square$

a) Filip has made a number using base 10



What number has Filip made? $\square$

b) Rosie also makes a number using base 10

Rosie's number is one more than Filip's number.

What is Rosie's number? $\square$

True or False?

These four calculations have the same answer.

$1 + 4 + 2$

$4 + 2 + 1$

$2 + 4 + 1$

$4 + 1 + 2$

Spicy

Complete the calculations.

a) $14 + 2 = \square$

e) $19 - 2 = \square$

b) $22 + 3 = \square$

f) $33 + \square = 35$

c) $54 + 4 = \square$

g) $12 = 19 - \square$

d) $\square = 5 + 61$

h) $\square = 89 - 3$

Are the number sentences true or false?

a) $17 + 1 = 1 + 17$ _____

b) $17 - 1 = 1 - 17$ _____

Jack's house

Annie's house



True or False

These four calculations have the same answer.

$$7 - 3 - 2$$

$$2 - 3 - 7$$

$$3 - 2 - 7$$

$$7 - 2 - 3$$

Jack lives 5 km from school.
Annie lives 4 km from school in the same direction.

What is the distance between Jack and Annie's houses?

After travelling to and from school, Jack thinks that he will walk 1 km more than Annie. Is he correct?
Explain your answer.

What will be the difference in distance walked after 2 school days?

Friday

VE Day (Victory in Europe) is a Bank Holiday!

Enjoy your long weekend

(you wouldn't normally be at school today so we have decided to not set you any work).

