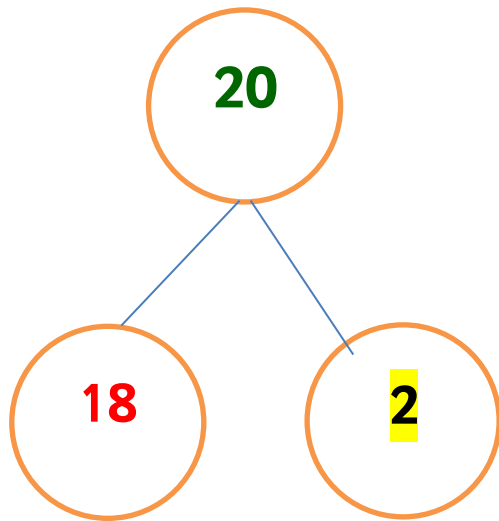


# TRIANGLES and SQUARES ANSWERS 08.06.20

WALT: understand number fact families within 10. (MNU 1-03a)



## Remember:

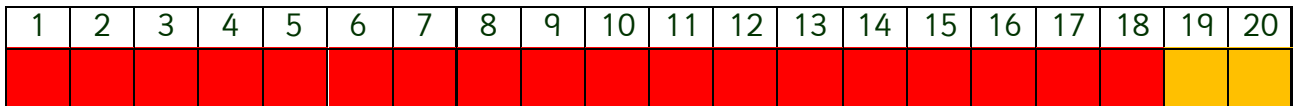
A number family is like number bonds. It is seeing the link between 3 numbers.

With the diagrams here, we are linking the numbers 20, 18 and 2.

We know  $18 + 2 = 20$ ,  $2 + 18 = 20$

$20 - 18 = 2$  and  $20 - 2 = 18$

(2 adding and 2 subtraction facts).



A. 20, 14 and 6

$$14 + 6 = 20$$

$$6 + 14 = 20$$

$$20 - 6 = 14$$

$$20 - 14 = 6$$

B. 20, 13 and 7

$$13 + 7 = 20$$

$$7 + 13 = 20$$

$$20 - 13 = 7$$

$$20 - 7 = 13$$

C. 20, 12 and 8

$$12 + 8 = 20$$

$$8 + 12 = 20$$

$$20 - 12 = 8$$

$$20 - 8 = 12$$

**D.** 20, 11 and 9

$$11 + 9 = 20$$

$$9 + 11 = 20$$

$$20 - 11 = 9$$

$$20 - 9 = 11$$

**E.** 20, 10 and 10

$$10 + 10 = 20$$

$$20 - 10 = 10$$

**(What is special with this last one? Is it like one you have seen before?)**

There is only one addition and one subtraction sum. It was like 10, 5 and 5.

**Challenge ones:**

**A.** 100, 90 and 10

$$90 + 10 = 100$$

$$10 + 90 = 100$$

$$100 - 90 = 10$$

$$100 - 10 = 90$$

**B.** 100, 70 and 30

$$70 + 30 = 100$$

$$30 + 70 = 100$$

$$100 - 70 = 30$$

$$100 - 30 = 70$$

**C.** 100, 40 and 60

$$40 + 60 = 100$$

$$60 + 40 = 100$$

$$100 - 60 = 40$$

$$100 - 40 = 60$$

**D.** 100, 20 and 80

$$20 + 80 = 100$$

$$80 + 20 = 100$$

$$100 - 20 = 80$$

$$100 - 80 = 20$$

**E.** 100, 50 and 50

$$50 + 50 = 100$$

$$100 - 50 = 50$$

**It only has one adding and one take a way sum 😊. Now what other numbers was that like? Why is that?**

## Worded problems (see below):



1. Tiana counted 23 ladybirds in the garden. Suddenly, 4 of them flew away. How many ladybirds were left?  $23 - 4 = 19$



2. Sophie made 25 muffins. They looked yummy. Her sister asked if she could take 3 of them. Sophie's Mum and Dad took 2 each. How many muffins does Sophie still have?  $25 - 3 = 22$ ;  $22 - 4 = 18$

Remember, her Mum and Dad took 2 each, so that's  $2 + 2 = 4$ .





3. Ruby saw 9 butterflies sitting on a bush. Another 5 came along. After a while 3 flew away. How many butterflies are there now?  $9 + 5 = 14$ ;  $14 - 3 = 11$




4. Tyler swam 6 lengths of the swimming pool. He had a rest then swam 5 more. He had another rest then swam 4 more lengths. How many lengths did Tyler swim altogether?  $6 + 5 + 4 = 15$  (Does it matter what order

we add the numbers in? What order did you add them in? Why was that?)

5.  Hannah counted how many strawberries were in a bowl. There were 12. Her little sister ate 2 and Hannah ate 3. Their Mum put another 10 in the bowl. How many strawberries are in the bowl now? Hannah's sister ate 2 and Hannah ate 3, so  $2 + 3 = 5$ .  $12 - 5 = 7$ ;  $7 + 10 = 17$




6.  Harrison was counting the stars he could see in the sky. He counted 28 of them. His Mum saw another 5. How many did they see in total?  $28 + 5 = 33$

7.  Zuzanna was counting the money she had saved. She had save 89p. Her Mum gave her another 20p. How much money does she have now?  $89\text{p} + 20\text{p} = 109\text{p}$

As  $100\text{p} = \text{£}1$ , you could write 109p as  $\text{£}1.09$ . It is the same 😊.

8.

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	+		=	10
	+		=	6
	+		=	5
	+		=	?

Puzzle ID: 39819 solvemoji.com CODEMOJI

2 owls = 10, so 1 owl = 5 (5 + 5 = 10)

Owl + unicorn = 6; 5 + unicorn = 6 (5 + 1 = 6) so a unicorn = 1.

Panda + unicorn = 5; panda + 1 = 5 (4 + 1 = 5) so panda = 4

Panda + owl = ?; 4 + 5 = 9

How was it this week? Is it getting easier or harder? Why do you think that is?



Well done for trying your best again.