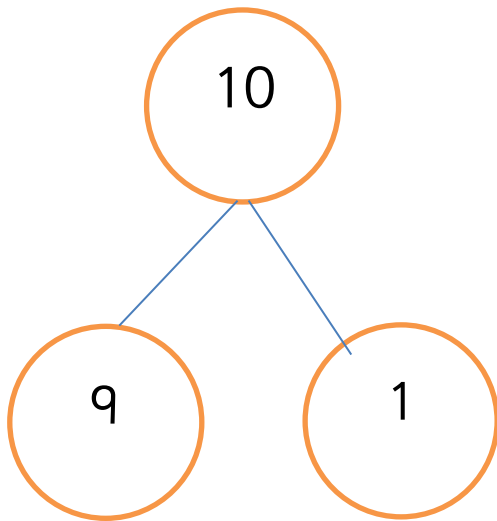


TRIANGLES and SQUARES ANSWERS 01.06.20

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



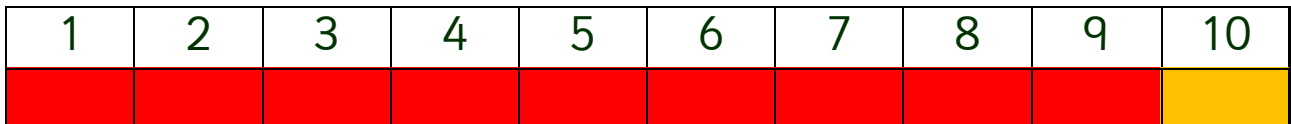
A number family is like number bonds. It is seeing the link between 3 numbers.

With the diagrams here, we are linking the numbers 10, 9 and 1.

We know $9 + 1 = 10$, $1 + 9 = 10$

$10 - 9 = 1$ and $10 - 1 = 9$

(2 adding and 2 subtraction facts).



Can you write the Number Family Facts for the following sets of numbers? You can draw diagrams like those above in your jotter if you want 😊. Remember, you are only using the 3 numbers and you should have 2 adding and 2 subtracting sums / facts.

A. 10, 8 and 2

$$8 + 2 = 10$$

$$2 + 8 = 10$$

$$10 - 2 = 8$$

$$10 - 8 = 2$$

B. 10, 7 and 3

$$7 + 3 = 10$$

$$3 + 7 = 10$$

$$10 - 3 = 7$$

$$10 - 7 = 3$$

C. 10, 6 and 4

$$6 + 4 = 10$$

$$4 + 6 = 10$$

$$10 - 6 = 4$$

$$10 - 4 = 6$$

D. 10, 5 and 5 (What is special about this one?)

$$5 + 5 = 10$$

$$10 - 5 = 5$$

(There is only 1 subtraction fact and 1 addition fact.)

Challenge ones:

E. 20, 19 and 1

$$19 + 1 = 20$$

$$1 + 19 = 20$$

$$20 - 19 = 1$$

$$20 - 1 = 19$$

F. 20, 18 and 2

$$18 + 2 = 20$$

$$2 + 18 = 20$$

$$20 - 18 = 2$$

$$20 - 2 = 18$$

G. 20, 17 and 3

$$17 + 3 = 20$$

$$3 + 17 = 20$$

$$20 - 17 = 3$$

$$20 - 3 = 17$$

H. 20, 16 and 4

$$16 + 4 = 20$$

$$4 + 16 = 20$$

$$20 - 4 = 16$$

$$20 - 16 = 4$$

I. 20, 15 and 5

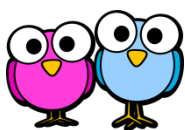
$$15 + 5 = 20$$

$$5 + 15 = 20$$

$$20 - 15 = 5$$

$$20 - 5 = 15$$

Worded problems:



1. Jamie saw 4 birds in his garden. Ryan saw 7 and Tyler saw 4. How many birds did they see in total?

$$4 + 7 + 4 = 15$$



2. Elliott was playing dominoes. He had 2 dominoes. The first one had 6 and 5 dots on it. The second had double 3 (that is 3 and 3) dots. What was the total number of dots on the 2 dominoes? $6 + 5 = 11$, $3 + 3 = 6$, $11 + 6 = 17$



3. Ruari had 12 ice cream cones! His sister ate 3 of them, Ruari ate 2 and his mum had 1. How many ice cream cones were left? $12 - 3 = 9 - 2 = 7 - 1 = 6$
or $3 + 2 + 1 = 6$, $12 - 6 = 6$



4. Charlie made 30 cookies for Mrs Duff (delicious!). They looked so yummy that Charlie ate 3 of them and gave 4 to his brother. How many cookies were left for Mrs Duff? $30 - 3 = 27 - 4 = 23$ or $3 + 4 = 7$, $30 - 7 = 23$



5. Millie drew 5 fantastic pictures on Monday. She drew another 3 on Tuesday. On Wednesday she drew 5 more and on Thursday, she drew 2. How many pictures did Millie draw altogether? $5 + 3 + 5 + 2 = 15$











6. George gave his dog 9 hugs in the morning, 4 hugs in the afternoon and 5 hugs in the evening. How many hugs did give his dog in total? $9 + 4 + 5 = 18$



7. Hannah was in her garden blowing bubbles. She blew 23 bubbles. Her sister burst 7 of them. How many bubbles managed to fly away? $23 - 7 = 16$

8.

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	+		=	10
	+		=	9
	+		=	5
	+		=	?

Puzzle ID: 37401 Solveemoji.com

2 tigers = 10, so one **tiger** is half of 10 and that is **5**.

Tiger + warthog = 9; so **5** + warthog = 9; **5** + 4 = 9

Panda + warthog = 5; so Panda + 4 = 5; so **1** + 4 = 5

Tiger + panda = ?, so **5** + **1** = ?; so **5** + **1** = **6**

Finished! Well done for trying your best.

