



Knowledge

- Related facts

Skills

- Add by counting on
- Find and make number bonds
- Add by making 10
- Subtraction – not crossing 10
- Subtraction – crossing 10
- Compare number sentences

Vocabulary

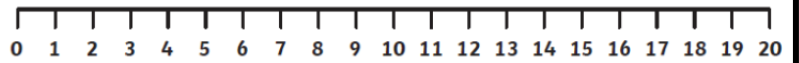
Eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty

**Inspirational Mathematician
Katherine Johnson (1918-2020)**

Katherine studied maths at university, graduating at the age of 18! She joined NASA in 1953 and despite being one of the first three black women to attend West Virginia University, she dared to challenge the stereotypes which existed around her. She was responsible for calculating the trajectory for Project Mercury and the Apollo 11 flight to the moon, which means she helped the first spaceship and the first Americans reach the moon.



Addition and Subtraction within 20



I partitioned 4 into 1 and 3

$$4 - 1 = 10$$

$$10 + 3 = 13$$

I partitioned 5 into 2 and 3.

$$12 - 2 = 10$$

$$10 - 3 = 7$$

Number Bonds

$$4 + 6 = 10$$

$$10 - 6 = 4$$

$$4 + 6 < 14 + 6$$

$$14 = 20 - 6$$

$$14 + 6 = 20$$

$$20 - 6 = 14$$

$$5 + 5 = 10$$

$$10 - 5 = 5$$

$$20 - 5 > 20 - 6$$

$$15 + 5 = 20$$

$$20 - 5 = 15$$