Unit 8
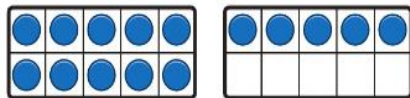## Subtraction within 20

In this unit we will …
- ⚡ Subtract tens and ones
- ⚡ Learn how to cross a 10 when subtracting
- ⚡ Compare additions and subtractions
- ⚡ Solve word and picture problems

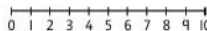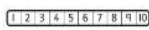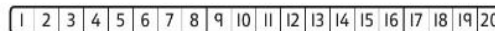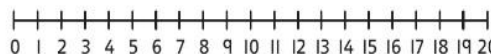We will need a ten frame again. Can you remember how to use it to help you find the answer to 15 – 3?

15 – 3 = ☐

We will need some maths words. Have you seen all of these before?

subtract   **take away**

find the difference

how many are left?

tens   **ones**   **number bonds**

part-whole

We can also use this ⊦⊦⊦⊦⊦⊦⊦⊦⊦ 0 1 2 3 4 5 6 7 8 9 10 and this 1 2 3 4 5 6 7 8 9 10 to help us. What is 13 – 3?

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
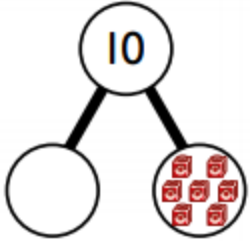
⚡ Power Up

Explore the number bond.

	Make it
☐ + ☐ = ☐ ☐ + ☐ = ☐ ☐ − ☐ = ☐ ☐ − ☐ = ☐	
Draw it	**Put it in a part-whole model** 10

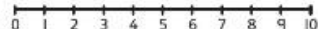Can I make the number bond in any other ways?

Subtraction– crossing the 10 ❷
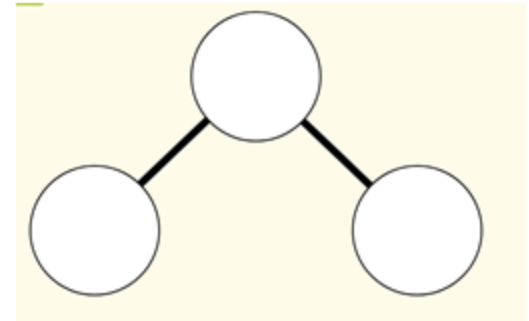
Discover

1 a) How many ✏ are there?

How many children need a ✏?

How many ✏ are left?

b) Show your calculation on a number line or

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

.

Use Part Whole

Think together

1 The teacher has 16 .

7 children need a .

How many are there left?
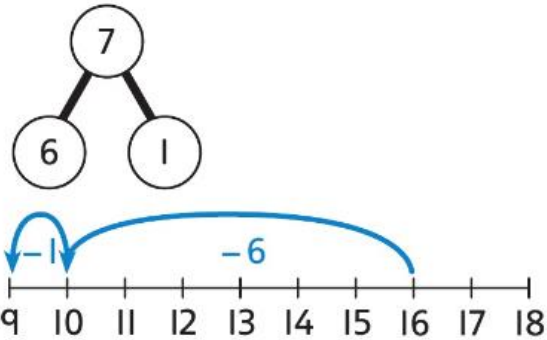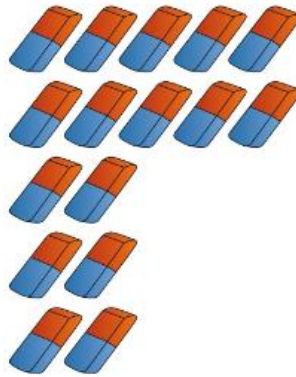
$$16 - \boxed{} = 10$$

$$10 - \boxed{} = \boxed{}$$

So

$$16 - 7 = \boxed{}$$

There are $\boxed{}$ left.

2 There are 15 boys in the class.

There are 8 girls in the class.
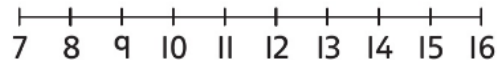
How many more boys are there than girls?

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

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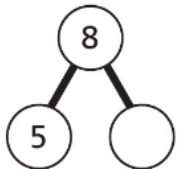
So

$$15 - 8 = \boxed{}$$

There are $\boxed{}$ more boys than girls.

Use Part Whole
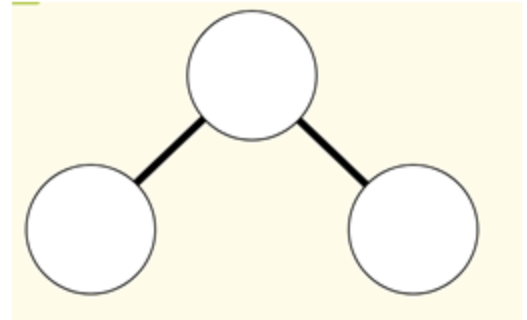
3 Work out these subtractions.

a) $20 - 12 = \boxed{}$

b) $20 - \boxed{} = 9$

Use Part Whole
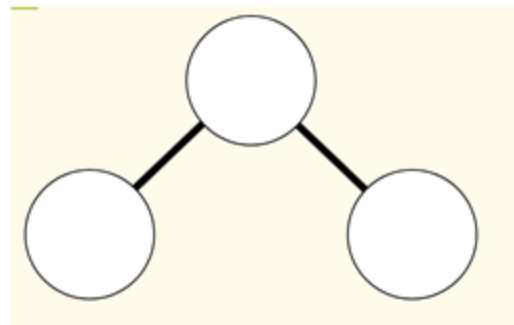
Fluency
write in books

Subtraction – crossing the 10 ❷

❶ Tim has 15 🍓.

🍓🍓🍓🍓🍓🍓🍓🍓🍓🍓 🍓🍓🍓🍓🍓.

He eats 7.

How many are left?

15 – ☐ = 10

10 – ☐ = ☐

So

15 – 7 = ☐

7
2   5

−2   −5

7 8 9 10 11 12 13 14 15 16
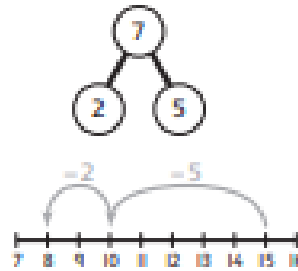
❷ There are 14 children in a group.

5 are boys. How many are girls?

14 – ☐ = ☐

☐ – ☐ = ☐

So

14 – 5 = ☐

5
◯   ◯

−1   −4

5 6 7 8 9 10 11 12 13 14 15

Use Part Whole

◯
◯   ◯