

Addition and Subtraction Facts

Facts to 20 and the subtraction facts that go with them

ELABORATION FOCUS

Knowing addition facts to 20 quickly, then using each one to work out the subtraction facts that belong with it.

LEARNING INTENTION I can use an add fact to find a take away fact.

Make ten

Doubles

Near doubles

Fact family

Missing part

1

Know the Add Fact

Step 1: say the two parts. Step 2: say the whole quickly, like $8 + 5 = 13$.

2

Turn It Around

Step 3: swap the parts: $5 + 8 = 13$ too. Step 4: the whole stays the same.

3

Find the Take Away

Step 5: start at the whole and take a part. Step 6: the answer is the other part.

MODEL · ONE FACT FAMILY FOR 8, 5 AND 13

The parts are 8 and 5, and the whole is 13. That makes four facts.

PART – PART – WHOLE

whole 13

part 8

part 5

THE FACT FAMILY

$$8 + 5 = 13$$

$$5 + 8 = 13$$

$$13 - 5 = 8$$

$$13 - 8 = 5$$

Two parts and one whole make four facts

If you know $8 + 5 = 13$, then $13 - 5 = 8$ and $13 - 8 = 5$.

TEACHER MODELLING ROUTINE I do → We do → You do

WATCH FOR

Counting on fingers every time instead of using a fact already known.

REMEMBER

Every add fact brings a take away fact with it, using the same numbers.

MATERIALS

Ten frames, counters, fact family cards, part-part-whole mats, number lines.