

Ten Frames and Smart Strategies

Elaboration 1 · Building facts with ten frames and cubes

ELABORATION FOCUS

Using ten frames and cubes to build doubles, near doubles, counting on, pairs to 10 and bridging to 10, then noticing patterns in the facts.

LEARNING INTENTION I can make ten first to work a fact out.

Doubles

Near doubles

Count on

Pairs to 10

Make ten

1

Build It on a Frame

Step 1: put the first number on a ten frame. Step 2: add the second with cubes.

2

Fill the Frame First

Step 3: move counters to fill the ten. Step 4: see how many are left over.

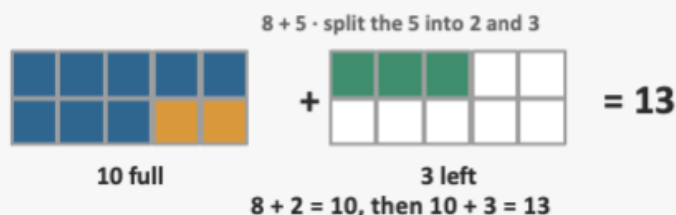
3

Record and Notice

Step 5: write the fact you made. Step 6: say the pattern you noticed.

MODEL · BRIDGING TO 10 FOR $8 + 5$

Put 8 on a ten frame. Move 2 counters across to fill the ten.



$8 + 2 = 10$, then $10 + 3 = 13$

Splitting 5 into 2 and 3 makes ten first, so $8 + 5 = 13$.

TEACHER MODELLING ROUTINE

I do → We do → You do

WATCH FOR

Counting every counter again instead of seeing the full ten at a glance.

REMEMBER

A full ten is easy to see, so make ten first and add what is left.

MATERIALS

Ten frames, connecting cubes, counters, double frames, recording strips.