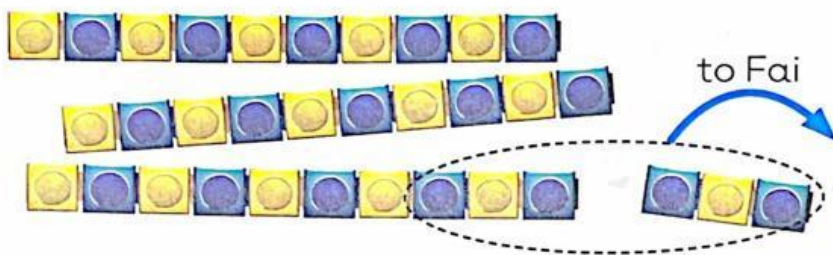


6.4 Subtraction with regrouping

EXAMPLE 11

Chan has 33 cubes. Fai takes away 6 cubes. How many cubes does Chan have now?

I need to break up this row of 10, to give Fai 6 cubes.



$$\begin{array}{r} 33 - 6 \\ \swarrow \searrow \\ 20 \quad 13 \end{array}$$



$$33 - 6 = ?$$

SOLUTION

Tens	Ones

33 = 3 tens 3 ones

regroup

Tens	Ones

2 tens 13 ones

Tens	Ones

We need to **regroup** 1 ten 3 ones into 13 ones.

STEP 1

Tens	Ones
2	3
3	6
—	7

13 ones - 6 ones = 7 ones

STEP 2

Tens	Ones
2	3
3	6
2	7

2 tens - 0 tens = 2 tens

So, $33 - 6 = 27$.

Chan has 27 cubes now.