Division Delights

You need ☑ copies of the hundreds field

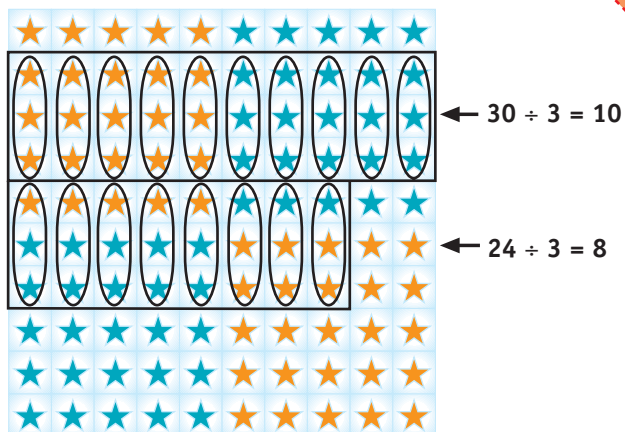## Activity

Each of these students is working out the answer to 54 ÷ 3:

Sam

I thought: 54 is close to 60 ...

60 ÷ 3 is 20.

Then I took off 6 ÷ 3,

which is 2.

The answer is 20 − 2,

which is 18.

Lena

First, I went 30 ÷ 3 is 10.

That left 24 ÷ 3,

which is 8.

So the answer is 10 + 8.

That's 18.

Mae Ling

I know that there are 9 sixes in 54.

Each 6 has 2 threes,

so 54 ÷ 3 must be 9 x 2.

That's 18.

Lena uses this hundreds field to show how her method works:

← 30 ÷ 3 = 10

← 24 ÷ 3 = 8

1. Show on a hundreds field how Sam and Mae Ling's methods work.

2. Use your own method to solve these division problems.

   Draw how you could have solved each problem using a hundreds field.

   a. 64 ÷ 4   **b.** 78 ÷ 6

   c. 90 ÷ 5   **d.** 91 ÷ 7

   e. 87 ÷ 3   **f.** 76 ÷ 4