$$\frac{1}{3} \times 12 = \boxed{\phantom{00}}$$

$$\frac{1}{3} \text{ of } 12 = \boxed{\phantom{00}}$$

Which is greater? Show your workings.

$$\frac{107}{5} \qquad 20\frac{3}{4}$$

Find the value of the star. $\quad \dfrac{1}{3} = \dfrac{1+5}{3+\bigstar}$

Here are some number cards.

| 15 | 10 | 9 | 4 | 3 |

Use two of the number cards to make a number
as close to 4 as possible.

$$\frac{\Box}{\Box}$$

GUIDED
PRACTICE

LO: Fractions as operators .

Some will even explain which method is easier.

Some will explain why they have used that method.

Most will multiply and divide fractions.

All will use bar models to help them work out calculations.

# LEARNING HABIT RESILIENCE.

## Dive deeper 1

There are 40 children in a playground.

$\frac{2}{5}$ of the children are boys and the rest are girls.

$\frac{1}{8}$ of the girls are playing football.

How many girls are playing football?

Amir is thinking of a number.

**a)** What number is Amir thinking of?

**b)** Find $\frac{2}{7}$ of Amir's number.

> One half of my number is 14

A box contains some coloured pencils.

There are 20 more red pencils than green pencils.

$\frac{3}{10}$ of the red pencils are blunt.

$\frac{1}{4}$ of the green pencils are blunt.

There are 5 blunt green pencils.

How many blunt red pencils are there?

## Dive deeper 2

Work out the missing numbers.

**a)** $\frac{2}{5}$ of 60 = 3 × ☐

**b)** $\frac{4}{5}$ of 40 = $\frac{1}{2}$ of ☐

The symbol ⭐ means triple the first number, then add the second number. For example, 7 ⭐ 4 = 25
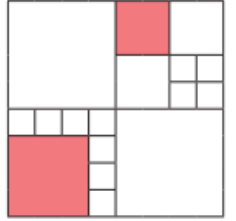
Find the missing values.

**a)** $\frac{1}{5}$ ⭐ $\frac{3}{10}$ = ☐

**c)** ($\frac{1}{2}$ ⭐ $\frac{1}{2}$) ⭐ $2\frac{1}{4}$ = ☐

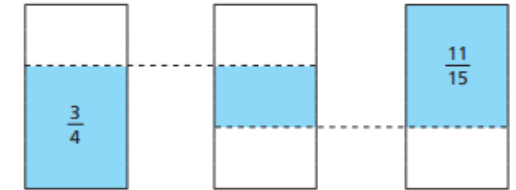**b)** 3 ⭐ ☐ = $9\frac{5}{7}$

## Dive deeper 3

A large square is divided into small squares.
What fraction of the large square is shaded?

Here are three identical rectangles.
Part of each rectangle has been shaded.
What fraction of the middle rectangle is shaded?

$\frac{3}{4}$

$\frac{11}{15}$

# DIVE DEEPER