Name: .......................................................... Class: ...........................
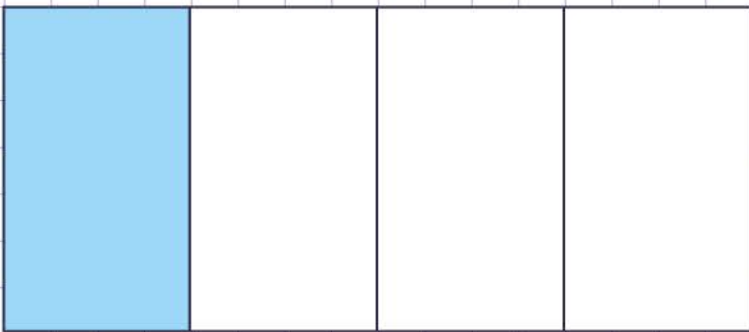
## Divide unit fractions and whole numbers using area models

**Use the model as an aid to solve the expression.**

**a.** $\frac{1}{4} \div 7$

**b.** $\frac{1}{5} \div 3$

**c.** $\frac{1}{3} \div 2$

**d.** $\frac{2}{7} \div 4$

Name: .................................................................................. Class: .................................

## Divide unit fractions and whole numbers using area models

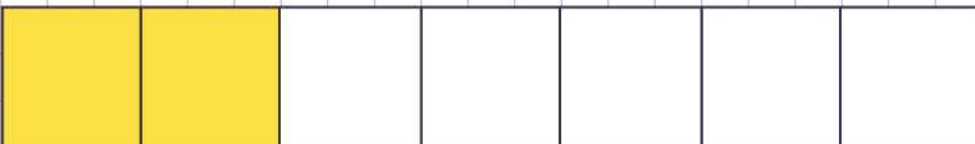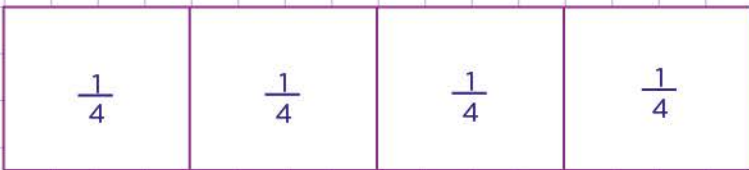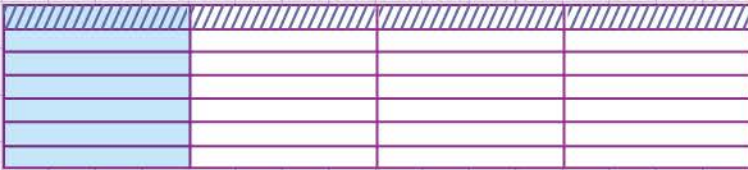**Use the model as an aid to solve the expression.**

**a.** $\frac{1}{4} \div 7$

| $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |
|---|---|---|---|

Visualise splitting $\frac{1}{4}$ into 7 equal parts.

The model shows a rectangle divided into 4 fourths.



Each fourth is divided into 7 equal parts.

Finally, count the total number of sections in the model to know the total number of equal parts.

There are 28 equal parts. one of the equal parts is $\frac{1}{28}$ of the rectangle.

Therefore, $\frac{1}{4} \div 7 = \frac{1}{28}$

**b.** $\frac{1}{5} \div 3$



Therefore, $\frac{1}{5} \div 3 = \frac{1}{15}$