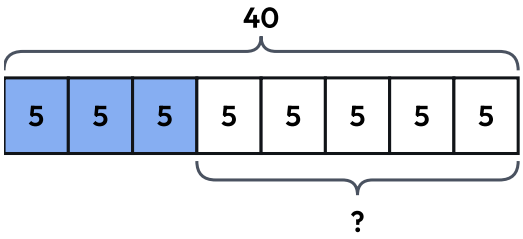
Name _____ Date _____

Problem Solving with Models

Part-whole

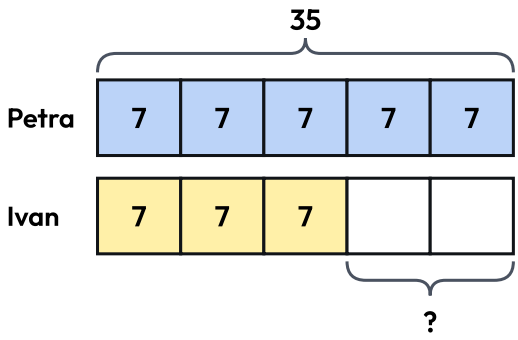
Of 40 pupils, $\frac{3}{8}$ walk to school. How many do not walk?



40 : 8 = 5 5 × 5 = 25

Comparison

Petra has 35 stickers. Ivan has $\frac{3}{5}$ as many as Petra. How many more does Petra have?



35 : 5 = 7 2 × 7 = 14

Remember

Draw a model: **part-whole** when the parts make a whole, **comparison** when we compare two amounts. First find the value of **one unit**.

1 ON YOUR OWN Draw a model and solve.

a) A farmer had 48 eggs. He sold $\frac{5}{6}$ of the eggs. How many eggs are left?

Answer: _____

b) Marta read $\frac{3}{4}$ as many pages as Luka. Luka read 64 pages. How many pages did Marta read? How many fewer than Luka?

Answer: _____

Names (pair) _____ Date _____

c) A blue ribbon is $2\frac{3}{4}$ m. The red one is $1\frac{1}{2}$ m shorter. How long is the red ribbon? How long are they together?

Answer: _____

2 IN PAIRS **Model and calculation.** One student draws the model, the other writes the calculation. Swap roles.

d) There are $2\frac{1}{2}$ l of juice in a jug. Ana poured $\frac{3}{4}$ l, and Iva $1\frac{1}{4}$ l. How much juice is left?

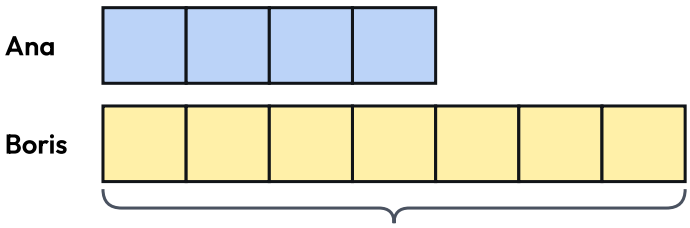
Answer: _____

e) Four bags weigh $1\frac{3}{4}$ kg each. How much do they weigh altogether?

Answer: _____

Names (group) _____ Date _____

3 IN A GROUP **Make up a problem.** Together they have 66 stickers. Make up a story for this model, then solve it.



★ ON YOUR OWN **Exit card.** There are 30 cakes on a plate. The children ate $\frac{2}{5}$. How many cakes are left? ☐