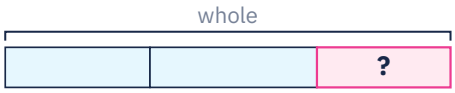
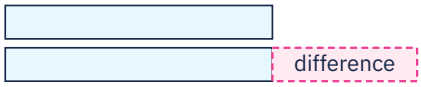
The bar model — five templates and five practice problems

For each problem: write its kind, draw the bar, write the number sentence, then answer.

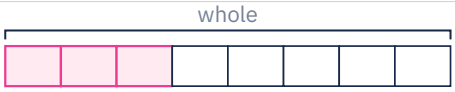
1 Part–whole



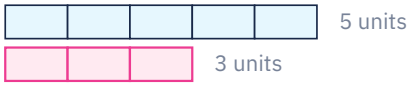
2 Comparison



3 Fraction of a quantity



4 Ratio



5 Before and after



1. 156 students go on a school trip in three buses. There are 48 students on the first bus and 55 on the second. How many students are on the third bus?

2. Two teams scored 210 points in total in a competition. The first team scored 36 points more than the second. How many points did each team score?

3. A race is 2400 metres long. A runner has run $\frac{5}{6}$ of the length of the race. How many metres does the runner have left?

4. The ratio of Ahmad's age to his father's age is $2 : 7$, and their ages add up to 54 years. How old is Ahmad?

5. A box had some pencils. $\frac{2}{3}$ of the pencils that were in it at the start were given out to students, then 45 new pencils were put in, and now it holds 125 pencils. How many pencils were in the box at the start?

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