

What to bring to class:
Ask students to bring PM
4A and 5A.

7.2 Changing ratios and intro to percents

* Do some HW probs from previous set.

Open Sing 6A to page 34-37 and discuss problems on those pages [Watch out! think about them before going into class.]

Note: We see that there are no operations ($+$, $-$, \times , \div) that take us from the before ratio to the after ratio.

In groups of 2, assign problems from practice 3C (suggestion: prob 4, 5, 7, 8)

Have students present teacher's solution at board.

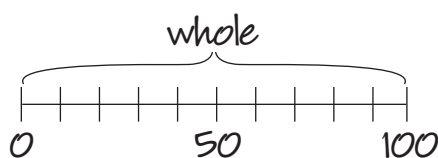
Percents

Parts of a whole can be expressed by

- fractions
- decimals (chapter 9)
- percents

Percent means parts per hundred, "per cent" as in century or cents in a dollar.

Visualize percents:



You need to know what the "whole" stands for.

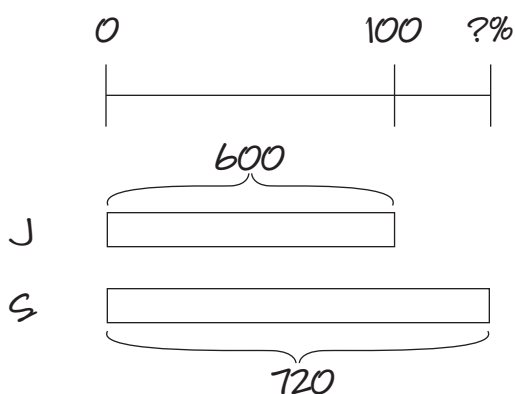
Do problems 5, 6, 7 of Practice 4A in groups of 2. Teacher presents them at board.

Ex (Similar to 6A, page 55)

Jill saves \$600 and Sam saves \$720.

Express Sam's savings as a percentage

of Jill's.
unit = 100!



$$\begin{array}{l} \$600 \longrightarrow 100\% \\ \div 600 \downarrow \\ \$1 \longrightarrow \frac{100}{600}\% = \frac{1}{6}\% \\ \times 720 \downarrow \\ \$720 \longrightarrow \frac{\$20}{720} \times \frac{1}{6}\% = 120\% \end{array}$$

Sam's savings is 120% as much as Jill's

Sam saved 20% more than Jill.

20% of $\underbrace{\text{Jill's money}}_{\text{whole unit}}$

Do problems 5, 7, 9, 10 of Practice 4C in groups of 2. Have students present at the board.

HW Read § 7.2 and do HW set 31.
(change)!