

WORD PROBLEMS

look for key words

For example, “total” suggests adding,
“less than” suggests subtracting,
“times” suggests multiplying, and
“shared” suggests dividing.

Example 1

Kassie worked on her science project for $\frac{3}{4}$ h on Tuesday and $\frac{5}{6}$ h on Wednesday. She spent Thursday finishing her math homework.

- a) How long did Kassie work on her science project **altogether?** $\text{add } \frac{3}{4} + \frac{5}{6}$
- b) **How much longer** did Kassie work on the project on Wednesday than on Tuesday?
- c) Altogether, Kassie spent 2 h on school work over the 3 days. How long did Kassie spend on her math homework?

subtract

$$\frac{5}{6} - \frac{3}{4}$$

adding and subtracting

$$2 - \left(\frac{3}{4} + \frac{5}{6} \right) = \text{math}$$


Example 2

Dakota volunteered at a gift-wrapping booth for a local charity.

He volunteered for $2\frac{3}{4}$ h and wrapped 11 gift boxes.

His friend Winona volunteered $1\frac{1}{3}$ times as long.

- How long did Dakota spend wrapping each gift box?
What assumptions do you make?
- How many hours did Winona volunteer?


$$2\frac{3}{4} \times \frac{1}{3}$$


$$2\frac{3}{4} \div 1\frac{1}{3} = 1\frac{1}{2}$$

pg 151 #3, 4, 6-8,
10, 11, 12, 13, 14,