

Multi-Step Problems Answer Key

1. $2 - \frac{3}{4} - \frac{1}{2} = \frac{3}{4}$ yard left
2. Give away $\frac{1}{4}$ of 24 = 6, leaving 18.
Give away $\frac{1}{3}$ of 18 = 6.
12 marbles
3. $3 \times \frac{2}{3} = 2$ cups.
 $2 - \frac{1}{2} = \frac{1}{2}$ cups left
4. $1\frac{1}{2} + \frac{3}{4} = 2\frac{1}{4}$ miles walked.
 $3 - 2\frac{1}{4} = \frac{3}{4}$ mile left
5. $3\frac{1}{2} - 1\frac{1}{4} = 2\frac{1}{4}$ yards.
 $2\frac{1}{4} \div \frac{1}{2} = 4\frac{1}{2}$.
4 full $\frac{1}{2}$ -yard pieces (with $\frac{1}{4}$ yard left over)
6. $\frac{2}{5}$ of 30 = 12 animal bookmarks.
Space bookmarks: $30 - 12 = 18$.
 $\frac{1}{3}$ of 18 = 6 laminated space bookmarks

Teacher's Guide

- Quick implementation tips
 - Encourage students to underline important information and identify the two steps before solving.
 - Have students write an equation for each step.
 - Remind students to simplify fractional answers and include units.
- Differentiation strategies
 - Allow students to use fraction strips or number lines for visual support.
 - Pair students to discuss the sequence of operations before calculating.
 - Challenge advanced students to solve each problem in more than one valid way when possible.
- Engagement ideas
 - Ask students to identify the first and second step before beginning the calculations.
 - Have students compare solution strategies with a partner and explain any differences.
- Extension activities
 - Ask students to write a two-step fraction word problem for a classmate to solve.
 - Have students create a visual model for one of the problems and explain how it matches their calculations.