

Multiplying with Multiple Fractions

$$1) \frac{1}{4} \times \frac{15}{2} \times \frac{12}{7} = \frac{45}{14}$$

$$2) \frac{4}{7} \times \frac{21}{11} \times \frac{5}{8} = \frac{15}{22}$$

$$\frac{1}{4} \times \frac{15}{2} = \frac{15}{8}$$

$$\frac{15}{8} \times \frac{12}{7} = \frac{45}{14} = 3\frac{3}{14}$$

$$3) \frac{1}{6} \times \frac{1}{2} \times \frac{16}{7} = \frac{4}{21}$$

$$4) \frac{20}{7} \times \frac{7}{5} \times \frac{2}{11} = \frac{8}{11}$$

$$5) \frac{1}{1} \times \frac{1}{1} \times \frac{19}{4} = \frac{19}{4}$$

Handwritten work for problem 5 includes a vertical multiplication of 3 by 4 to get 12, and a crossed-out calculation of 12/4 = 3.

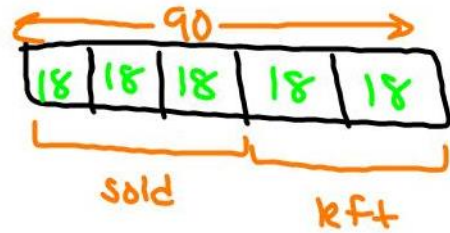
$$6) \frac{14}{9} \times \frac{2}{1} \times \frac{3}{2} = \frac{14}{3} = 4\frac{2}{3}$$

1. K-Mart had 90 umbrellas at the beginning of the day. If $\frac{3}{5}$ of the umbrellas were sold during a particularly rainy day, how many umbrellas were left for sale after that day?

$$\frac{3}{5} \text{ of } 90 = \frac{3}{5} \times \frac{90}{1} = \frac{54}{1} = 54$$

$$90 - 54 = \boxed{36 \text{ umbrellas}}$$

$$\frac{2}{5} \text{ of } 90 = 36$$

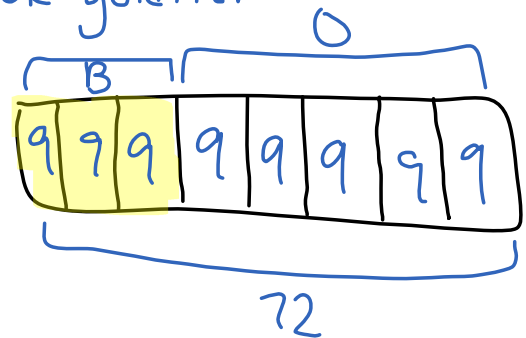


2. Fishy Pets has both black and orange goldfish for sale. Of the 72 goldfish that they currently have, $\frac{3}{8}$ are black. How many orange goldfish does Fishy Pets have for sale?

$$\frac{3}{8} \times \frac{72}{1} = \frac{27}{1} = 27 \text{ black goldfish}$$

$$72 \div 8 = 9$$

$$72 - 27 = 45 \text{ orange goldfish}$$



3. Lola has 42 pairs of shoes. If $\frac{3}{7}$ of the shoes are high heels, how many of Lola's shoes are not high heels?

$$42 - 18 = \textcircled{24}$$