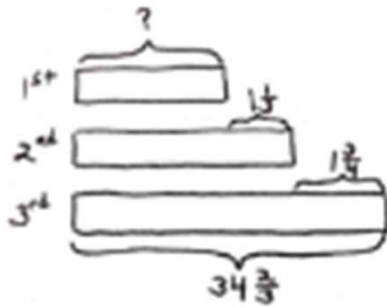




## Fraction Word Problems Worksheets

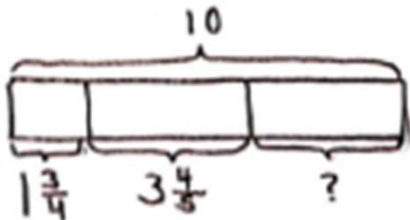
1. In a race, the second place finisher crossed the finish line  $1\frac{1}{3}$  minutes after the winner. The third-place finisher was  $1\frac{3}{4}$  minutes behind the second-place finisher. The third-place finisher took  $34\frac{2}{3}$  minutes. How long did the winner take?



The 1<sup>st</sup> place time was 31 min 35s.

$$\begin{aligned}
 34\frac{2}{3} - 1\frac{1}{3} &= 33\frac{2}{3} - \frac{1}{3} \\
 &= 33\frac{8}{12} - \frac{1}{12} \\
 &= 32\frac{20}{12} - \frac{1}{12} \\
 &= 32\frac{11}{12} \\
 32\frac{11}{12} - 1\frac{3}{4} &= 31\frac{11}{12} - \frac{3}{4} \\
 &= 31\frac{11}{12} - \frac{4}{12} \\
 &= 31\frac{7}{12} \\
 31\frac{7}{12} \text{ min} &= 31\frac{35}{60} \text{ min} = 31 \text{ min } 35 \text{ s}
 \end{aligned}$$

2. John used  $1\frac{3}{4}$  kg of salt to melt the ice on his sidewalk. He then used another  $3\frac{4}{5}$  kg on the driveway. If he originally bought 10 kg of salt, how much does he have left?



He had  $4\frac{9}{20}$  kg of salt left.

$$\begin{aligned}
 1\frac{3}{4} + 3\frac{4}{5} &= 4\frac{3}{4} + \frac{4}{5} \\
 &= 4\frac{15}{20} + \frac{16}{20} \\
 &= 4\frac{31}{20} \\
 &= 5\frac{11}{20} \\
 10 - 5\frac{11}{20} &= 5 - \frac{11}{20} \\
 &= 4\frac{9}{20}
 \end{aligned}$$