



Jog-A-Thon



A school participating in Walk Georgia is having a Jog-A-Thon where teams of students will jog 10 miles total for the team to raise money for a local charity. Each team is responsible for getting pledges.

1. If Alex decided to be on a team of 4 and each person wants to jog an equivalent amount, how many miles will each need to jog during the Jog-A-Thon?

$$10/4 = 10/4 \text{ of a mile or } 2 \frac{1}{2} \text{ miles}$$

2. Alex, Justin, Molly, and Sue decided to form a team. If the team wants to earn \$300, how much should each person raise?

$$300/4 = 75 \text{ dollars a person}$$

3. Abby's dad said he would sponsor \$7.25 per mile that Abby jogged. Abby jogged 5 miles total. How much money will Abby's dad need to give her? How much more money will Molly need to raise to reach her goal of raising \$50?

$$7.25 \times 5 = \$36.25$$

$$50 - 36.25 = \$13.75 \text{ dollars more}$$

4. Alex is training for his school's Jog-A-Thon and needs to run at least 1 mile per day. If Alex runs to his grandma's house, which is $\frac{5}{8}$ of a mile away, and then to his friend Justin's house, which is $\frac{1}{2}$ of a mile away, will he have trained enough for the day? Draw a picture, use an equation, or write sentences to explain how you know.

$$\frac{5}{8} + \frac{1}{2} = 1 \frac{1}{8} \text{ miles } (\frac{5}{8} = \frac{4}{8} + \frac{1}{8}) \text{ which gives } \frac{1}{2} \text{ mile} + \frac{1}{2} \text{ mile} + \frac{1}{8} \text{ mile so } 1 \frac{1}{8} \text{ miles.}$$

5. During the Jog-A-Thon, Alex drank $\frac{2}{5}$ of his water bottle and Molly drank $\frac{3}{10}$ of her water bottle. How much water did they drink together?

$$\frac{2}{5} + \frac{3}{10} = \frac{4}{10} + \frac{3}{10} = \frac{7}{10} \text{ of the water bottle}$$