

Name \_\_\_\_\_ Date \_\_\_\_\_

A scrapyard had 200 tons of recycled steel. They sold 15 tons per day for several days. If there are fewer than 80 tons left at the scrapyard, how many days have passed?

1. Write and solve an inequality to answer the question.

2. What does the solution of your inequality mean in terms of the answer to the question?

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Solve each equation below. Show all work clearly and completely.

1.  $-\frac{1}{4}x - \frac{3}{4} = -20$

2.  $-\frac{1}{4}\left(x - \frac{3}{4}\right) = -20$