

Quiz 5.2

- 1) Shawna bought seven candy bars for a total of \$14.70.

A. Write an inequality that can be used to determine the maximum number of candy bars that Shawna can buy with \$8.

B. What is the maximum number of candy bars that Shawna can buy with \$8?

- A) $8 \geq 2.1x$, 3 candy bars
B) $14.7 \geq 7x$, 2 candy bars
C) $8 \leq 14.7x$, 1 candy bar
D) $7 \geq 2.1x$, 3 candy bars

Solve each proportion.

3) $\frac{3}{5} = \frac{x-7}{6}$

- A) $\{\frac{57}{6}\}$ B) $\{5\}$
C) $\{-5\}$ D) $\{10.6\}$

- 2) Emily spent \$19 on one \$5 magazine and 8 Sharpie markers.

A. Write an inequality that can be used to determine the maximum number of Sharpie markers Emily can buy along with a \$5 magazine, if she has \$25 to spend.

B. What is the maximum number of Sharpie markers that Emily can buy along with one \$5 magazine, if she has \$25 to spend?

- A) $19 \geq 1.75x + 5$, 8 Sharpie markers
B) $25 \geq 1.75x + 5$, 11 Sharpie markers
C) $25 \geq 1.75x$, 14 Sharpie markers
D) $25 \geq 8x + 5$, 2 Sharpie markers

4) $\frac{n}{6} = \frac{3}{7}$

- A) $\{\frac{3}{2}\}$ B) $\{-\frac{3}{14}\}$
C) $\{\frac{18}{7}\}$ D) $\{-\frac{3}{2}\}$