

Quiz 5.1

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1) Huong spent \$70 on ten fancy pens.

- A. Write an inequality that can be used to determine the maximum number of fancy pens that Huong can buy with \$30.

- B. What is the maximum number of fancy pens that Huong can buy with \$30?

- A) $70 \geq 10x$, 7 fancy pens
B) $30 \geq 7x$, 4 fancy pens
C) $70 \geq 7x$, 10 fancy pens
D) $30 \geq 10x$, 3 fancy pens

Solve each proportion.

3) $\frac{4}{6} = \frac{n-5}{3}$

- A) {7} B) $\{\frac{17}{6}\}$
C) {-3} D) {13}

2) 225 students went on a field trip. Six buses were filled and 21 students traveled in cars.

- A. Write an inequality that can be used to determine the minimum number of buses that are needed to transport 175 students without the help of any cars.

- B. What is the minimum number of buses that are needed to transport 175 students without the help of any cars?

- A) $225 \geq 21x$, 10 buses
B) $225 \geq 6x$, 37 buses
C) $175 \leq 34x$, 6 buses
D) $175 \leq 34x$, 5 buses

4) $\frac{2m-5}{3} = \frac{4}{8}$

- A) $\{-\frac{1}{2}\}$ B) $\{-\frac{7}{4}\}$
C) {2} D) $\{\frac{13}{4}\}$