

Take out ws 9.1.

Write the number of problems you completed out of 18.

Where Do Airline Pilots Keep Their Uniforms?

In the Clothes Hangar

Nov 1-1:44 PM

LESSON **2.2** Writing Two-Step Inequalities



Use variables to represent quantities in a real-world or mathematical problem, and construct simple... inequalities...

Nov 1-1:47 PM

The 45 members of the glee club are trying to raise \$6,000 so they can compete in the state championship. They already have \$1,240. What inequality can you write to find the amount each member must raise, on average, to meet the goal? \_\_\_\_\_

$$1,240 + 45a \geq 6,000$$


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$$45a + 1240 \geq 6000$$

$$\begin{array}{r} -1240 \quad -1240 \\ \hline 45a \geq 4760 \\ \frac{45a}{45} \geq \frac{4760}{45} \end{array}$$

$$a \geq \$105.78$$

Nov 1-3:50 PM

Ella has \$40 to spend at the State Fair. Admission is \$6 and each ride costs \$3. Write an inequality to find the greatest number of rides she can go on.

$$6 + 3n \leq 40$$


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$$3n + 6 \leq 40$$

$$\begin{array}{r} -6 \quad -6 \\ \hline 3n \leq 34 \\ \frac{3n}{3} \leq \frac{34}{3} \\ n \leq 11.3 \end{array}$$

(11)

Nov 1-3:51 PM

The booster club needs to raise at least \$7,000 for new football uniforms. So far, they have raised \$1,250. Write an inequality to find the average amounts each of the 92 members can raise to meet the club's objective.

$$\underline{1,250 + 92a \geq 7,000}$$



Nov 1-3:53 PM

Connie's dog Fido weighs 35 pounds. Her vet placed Fido on a diet. What inequality can you write to find the average number of pounds Fido must lose monthly to reach a healthier weight of 28 pounds within 6 months?

$$\begin{array}{r} 35 - 6m \leq 28 \\ -35 \quad -35 \\ \hline -6m \leq -7 \\ \div 6 \quad \downarrow \quad \div 6 \\ m \geq 1.17 \end{array}$$



Nov 1-3:55 PM

Jerome spent \$20 on supplies to make 50 cookies for a bake sale. What inequality can you write to find the price Jerome should charge for each cookie if he wants to have a profit of more than \$60?

$$50c - 20 > 60$$



Nov 1-3:56 PM

Quiz corrections are due Monday.

Worksheet 9.4

$$\frac{1}{2} \div \frac{3}{4}$$

Quiz next Thursday

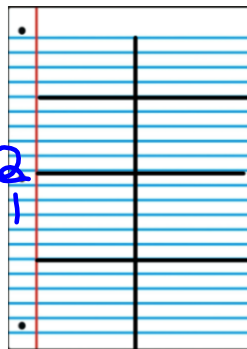
(13 Problems)

Work must be shown on a separate sheet of paper.

$$\textcircled{4} \quad -\frac{1}{2}x + \frac{9}{8} \leq -\frac{9}{8}$$

~~$$-\frac{1}{2}x \leq -1$$~~

$$x > 2$$



Nov 1-3:57 PM