

# Solving Percent Problems

You must earn 6 points!

**Find the percent of the number. Explain your method** (Diagram, Ratio Table, Equation, Proportion, etc.)

1. 25% of 80                      2. 30% of 70                      3. 91% of 60

**1**

point

**Find the whole. Explain your method** (Diagram, Ratio Table, Equation, Proportion, etc.)

4. 75% of what number is 24?                      5. 65% of what number is 39?  
6. 30% of what number is 15?

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**Write the word sentence as an equation. Then solve the equation.**

7. Yesterday, 5% of the 120 sixth graders at a school were late. How many sixth graders were late?

8. The sale price of a pair of pants is 65% of the regular price of \$25. How much do you save by buying the pants on sale?

**2**

points

9. A monitor that regularly costs \$100 is on sale for 15% off. The salesperson offers you 20% off the sale price. What percent of the original price is the salesperson's price?

10. A store pays a manufacturer \$20 for a hat. To make a profit, the store prices the hat 60% higher than the amount they paid. Later, a sale reduces the price of the hat by 10%. Finally, a clearance sale reduces the sale price by 40%. What is the clearance price? Will this price give the store a profit?

# Reflecting Back

You must complete ALL 6 problems!

1. Multiply. Write the answer in simplest form.

$$4\frac{2}{15} \cdot 5$$

2. Divide. Write the answer in simplest form.

$$4\frac{2}{4} \div \frac{2}{5}$$

3. Solve for x.

$$\frac{x}{2} = 9$$

4. Solve for a.

$$5a = 15$$

5. Simplify the expression by combining like terms.

$$5y + 3y + 7 - 3$$

6. Solve the inequality. Graph the solution.

$$\frac{b}{3} > 6$$