

Name _____

Date _____

Period _____

Problems with Percents

Use a proportion to solve each problem. Show the proportion, the equation and be sure to answer the question.

1. In a group of 60 children, 12 have brown eyes. What percent have brown eyes?
2. A salesman makes a 5% commission on all he sells. How much does he have to sell to make \$1500?
3. A sales tax of $5\frac{3}{4}\%$ is charged on a blouse priced at \$42. How much sales tax must be paid?
4. A baby weighed 7.6 pounds at birth and $9\frac{1}{2}$ pounds after 6 weeks. What was the percent increase?
5. A scale model of a building is 8% of actual size. If the model is 1.2 meters tall, how tall is the building?
6. The purchase price of a camera is \$84. The carrying case is 12% of the purchase price. Find the total cost including the carrying case.
7. The regular price of a record cost is \$15. Find the discount and the new price if there is a 20% discount.

8. A basketball team played 45 games. They won 60% of them. How many did the team win?

9. A test had 50 questions. Joe got 70% of them correct. How many did Joe get correct?

10. Diet soda contains 90% less calories than regular soda. If a can of regular soda contains 112 calories, how many calories does a can of diet soda contain?

This table gives information about the performance of several fire-walkers. Find the missing numbers or percentages.

Fire-Walker	Contests Entered	% won	Number of Wins
1. Nadia	800	50.5%	_____
2. Bernard	256	_____	66
3. Sergio	_____	20%	5
4. Nester	680	5%	_____
5. Lojan	_____	75%	24
6. Armando	400	_____	72
7. Helga	_____	70%	133
8. Ashti	75	4%	_____
9. Georgio	375	_____	225
10. Frank	625	40%	_____

OUCH! OUCH! OUCH!

Longest Fire Walk

Gerard Moccetts of Switzerland walked close to 166 ft over a bed of embers. The temperature of the walkway was 1230°F.

Fire walking can really be brutal on the feet.

