Write and solve an equation to answer the question.

1. 16% of 150 is what number?

2. 10 is 40% of what number?

3. 27 is what percent of 75?

4. What number is 35% of 56?

Identify the percent of change as an *increase* or *decrease*. Then find the percent of change. Round to the nearest tenth of a percent, if necessary.

5. 4 strikeouts to 10 strikeouts

6. $24.00 to $18.00

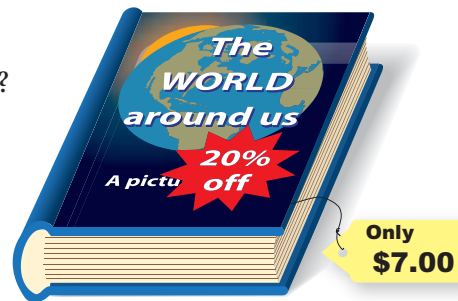**Find the price, discount, or markup.**

7. Original price: $15
Discount: 5%
Sale price: ?

8. Original price: $189
Discount: ?
Sale price: $75.60

9. Cost to store: $15
Markup: ?
Selling price: $24.75

10. Cost to store: $5.50
Markup: 75%
Selling price: ?

An account earns simple interest. Find the interest earned, principal, interest rate, or time.

11. Interest earned: ?
Principal: $450
Interest rate: 6%
Time: 8 years

12. Interest earned: $27
Principal: ?
Interest rate: 1.5%
Time: 2 years

13. Interest earned: $116.25
Principal: $1550
Interest rate: ?
Time: 9 months

14. Interest earned: $45.60
Principal: $2400
Interest rate: 3.8%
Time: ?

15. MOVIE PREVIEWS There are eight previews before a movie. Seventy-five percent of the previews are for comedies. How many previews are for comedies?

16. BOOK What was the original price of the book?

17. TEXT MESSAGES The cost of a text message increases from $0.10 per message to $0.25 per message. What is the percent increase in the cost of sending a text message?

The
WORLD
around us
A pictu
20%
off
Only
$7.00

18. INVESTMENT You put $800 in an account that earns 4% simple interest. Find the total amount in your account after each year for 3 years.