

6.4 Practice A

Answer the question. Explain the method you chose.

1. 24 is what percent of 60? 2. 8 is 40% of what number?

Use any method to answer the following questions.

3. What number is 70% of 120? 4. 30 is what percent of 120?
5. 112 is 56% of what number? 6. 128 is what percent of 80?
7. What number is 140% of 45? 8. 15 is 6% of what number?
9. There are 35 competitors in a marathon. Sixty percent of these finished the race in under four hours. How many competitors finished the race in under four hours?
10. Your class is going on a field trip. Twenty-four students have turned in their permission slips so far. This is 80% of the students in the class. How many students are in the class?
11. You take a test with 32 questions on it. You answer 24 questions correctly. What percent of the questions do you answer correctly?
12. You have r rare coins, consisting of p pennies and n nickels.
- a. p is 20% of 190. How many pennies do you have?
- b. 190 is 200% of r . How many rare coins do you have?
- c. n is 60% of r . How many nickels do you have?
13. The table shows the sales receipt for your purchase.
- a. The items with a “T” next to the price are subject to sales tax. What percent sales tax did you pay?
- b. Calculate the price of the top.
- c. The price you paid for the top was 60% of the original price. What was the original price of the top?

Item	Price
top	p
earrings	\$ 3.00 T
socks	\$ 2.00
granola bar	\$ 0.50 T
Subtotal	\$13.00
Tax	\$ 0.21
Total	\$13.21

Tell whether the following statement is *true* or *false*.

Explain your reasoning.

14. 120% of a whole number is always greater than the number.
15. You can find 0.5% of a number by multiplying the number by $\frac{5}{100}$.