

Percent Off the Price

GRADE 6

MATHEMATICS

B2.3

F1.2

Three percents are worth knowing by heart. 10% is one tenth, so move every digit one place to the right. 50% is half. 25% is half of a half. Once you have the discount, take it off the price.

PART A: BENCHMARK PERCENTS

1. 10% of \$60 is \$_____.
2. 50% of \$60 is \$_____.
3. 25% of \$60 is \$_____.
4. 10% of \$45 is \$_____.

PART B: TAKE IT OFF

5. A \$40 reward with 10% off costs \$_____.
6. A \$40 reward with 50% off costs \$_____.
7. A \$40 reward with 25% off costs \$_____.

PART C: QUICK CHECKS

8. What is the quickest way to find 50% of an amount?
(A) Halve it (B) Divide it by 5 (C) Multiply it by 5
9. 25% of \$80 is:
(A) \$20 (B) \$25 (C) \$40

PART D: AT THE STORE

- 10.** Akosua's balance is \$70. She sets aside 10% of it this week. How much does she set aside?

SHOW YOUR WORK

Answer: _____

- 11.** A \$50 reward has 25% off. What is the sale price?

SHOW YOUR WORK

Answer: _____

PART E: WHICH KIND OF GOAL?

- 12.** Kemar takes on an extra classroom job to bring in more money each week. That is:
Ⓐ an earning goal Ⓑ a saving goal Ⓒ neither one
- 13.** Akosua puts the same amount aside every week until she can afford a reward. That is:
Ⓐ a saving goal Ⓑ an earning goal Ⓒ neither one

PART F: EXPLAIN THE SHORTCUT

- 14.** Explain how you can find 25% of an amount in your head by using 50% first. Use \$80 as your example.

Percent Off the Price

ANSWER KEY

1. 6
2. 30
3. 15
4. \$4.50
5. 36
6. 20
7. 30
8. A) Halve it
9. A) \$20
10. \$7.
11. \$37.50.
12. A) an earning goal
13. A) a saving goal
14. Halve the amount to get 50%, then halve that to get 25%. For \$80 that gives \$40 and then \$20.

TEACHER NOTES

Reduced expectations: only three benchmark percents, all chosen so the arithmetic stays whole or lands on a clean half. The Standard sheet in this unit builds 15% from 10% plus 5% and applies discounts to savings goals.