

Money Moves

Use fractions, decimals, and percents to make smart money calculations.

HIGH SCHOOL • MA.912.FL.1.1

MA.912.FL.1.1 "Extend previous knowledge of operations of fractions, percentages and decimals to solve real-world problems involving money and business."

NAME _____

DATE _____

PERCENT PRICE CHANGES

To find a percent of a price, change the percent to a decimal or fraction and multiply. Subtract a discount from the original price, and add tax to the original or discounted price when the tax is charged.

WORKED EXAMPLE

A \$64 jacket is marked 12.5% off.
What is the sale price?

1. $5\% = 0.125 = 1/8$.

2. Discount = $\$64 \times 1/8 = \8 .

3. Sale price = $\$64 - \$8 = \$56$.

Answer: \$56.00

PRACTICE 6 problems

- 1** A \$24 game is 25% off. What is the sale price?

ANSWER _____

- 2** A \$36 order has a 5% sales tax. What is the total cost?

ANSWER _____

- 3** A student earns a $3/10$ commission on \$50 in ticket sales. How much commission does the student earn?

ANSWER _____

- 4** A \$40 backpack is reduced by $1/4$ of its original price. What is the sale price?

ANSWER _____

- 5** A snack costs \$2.75. What is the cost of 4 snacks?

ANSWER _____

- 6** A gift card has \$18.60 on it. You spend $2/3$ of the balance. How much money remains?

ANSWER _____

APPLY IT Show your work

- 1** An online shop lists a school-club hoodie for \$60. The hoodie is discounted by 30%, then a 5% sales tax is added to the discounted price. What is the final cost?

WORK SPACE

ANSWER _____

- 2** A student earns \$13.50 per hour for 4 hours at a weekend job. The student saves $\frac{1}{3}$ of the earnings and can spend the rest. How much can the student spend?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A gaming store lists a controller for \$96. It is discounted by 25%, then you use a \$6 coupon. A 5% sales tax is added after the coupon. What is the final cost?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A \$24 game is 25% off. What is the sale price?	\$18.00
2	A \$36 order has a 5% sales tax. What is the total cost?	\$37.80
3	A student earns a 3/10 commission on \$50 in ticket sales. How much commission does the student earn?	\$15.00
4	A \$40 backpack is reduced by 1/4 of its original price. What is the sale price?	\$30.00
5	A snack costs \$2.75. What is the cost of 4 snacks?	\$11.00
6	A gift card has \$18.60 on it. You spend 2/3 of the balance. How much money remains?	\$6.20

PART 2 • APPLY IT

1. **\$44.10** Find the discount first: 30% of \$60 is \$18, so the discounted price is \$42. Add 5% tax on \$42, which is \$2.10.
2. **\$36.00** The total earnings are $\$13.50 \times 4 = \54 . One third of \$54 is \$18, so subtract \$18 from \$54.

CHALLENGE

\$69.30

Accept equivalent fraction or decimal methods. Require money answers to include dollars and cents, including trailing zeros when needed.