LESSON MAKER PRO

Smart Money Moves

Use fractions, decimals, and percents in money situations.

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 _____

FIND THE MONEY AMOUNT

To find a percent of an amount, write the percent as a decimal and multiply. For a discount, subtract the discount from the original price. For sales tax, add the tax to the price after any discount.

WORKED EXAMPLE

A jacket costs $72. It is discounted 15%, then 5% sales tax is added. What is the final cost?

1. Find the discount: 0.15 × 72 = 10.80.
2. Find the discounted price: 72.00 - 10.80 = 61.20.
3. Find the sales tax: 0.05 × 61.20 = 3.06.
4. Add the tax: 61.20 + 3.06 = 64.26.

Answer: $64.26

PRACTICE 6 problems

1 A game controller costs $48 and is on sale for 25% off. What is the sale price?

ANSWER _____

2 A $80 purchase has 7.5% sales tax. What is the total cost?

ANSWER _____

3 A fundraiser gives a student 3/8 of $240 in sales as earnings. How much does the student earn?

ANSWER _____

4 A vendor charges $6.75 for a notebook. You pay with a $10 bill. How much change should you receive?

ANSWER _____

5 A store buys an item for $35 and marks it up 20% based on its cost. What is the selling price?

ANSWER _____

6 A worker earns a 12% commission on $150 in sales. How much commission does the worker earn?

ANSWER _____

APPLY IT Show your work

1 Headphones are marked $96. A store takes 30% off the marked price, then adds 6.25% sales tax to the discounted price. What is the final cost of the headphones?

WORK SPACE

ANSWER _____

2 A student club sells 154 tickets to a music showcase for $22 each. After costs, the club receives 7/11 of the ticket revenue. How much money does the club receive?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A resale app charges a 12.5% fee on the selling price of an item. Talia wants to receive $77 after the fee is taken out. What price should she list the item for? Explain how you know.

WORK SPACE AND ANSWER

ANSWER KEY

Smart Money Moves

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A game controller costs $48 and is on sale for 25% off. What is the sale price?	**$36.00**
2	A $80 purchase has 7.5% sales tax. What is the total cost?	**$86.00**
3	A fundraiser gives a student 3/8 of $240 in sales as earnings. How much does the student earn?	**$90.00**
4	A vendor charges $6.75 for a notebook. You pay with a $10 bill. How much change should you receive?	**$3.25**
5	A store buys an item for $35 and marks it up 20% based on its cost. What is the selling price?	**$42.00**
6	A worker earns a 12% commission on $150 in sales. How much commission does the worker earn?	**$18.00**

PART 2 · APPLY IT

1. **$71.40** The discount is $28.80, so the discounted price is $67.20. The tax is $4.20, and the final cost is $71.40.
2. **$2,156.00** The total ticket revenue is 154 × 22 = $3,388. The club receives 7/11 × $3,388 = $2,156.

CHALLENGE

$88.00. A 12.5% fee is 1/8 of the selling price, so Talia keeps 7/8. Since 7/8 of $88 is $77, she should list the item for $88.00.

Accept equivalent fraction, decimal, or percent calculations when the final money amount is correct. Require dollar amounts to be written to the nearest cent.