LESSON MAKER PRO

Deal Detective Math

Compare sales, coupons, and rebates.

GRADE 7 · TEKS 7.13.F

7.13.F "analyze and compare monetary incentives, including sales, rebates, and coupons."

NAME _____ DATE _____

COMPARE FINAL COSTS

A sale lowers the marked price right away. A coupon usually lowers the price at checkout, while a rebate lowers the final cost after you receive money back. To compare offers, find the final cost for each one and keep track of what you must pay at checkout.

WORKED EXAMPLE

A backpack costs $90. It is on sale for 30% off, and you have a $7 coupon. What is the final cost?

1. Find the sale discount: 30% of $90 = 0.30 x 90 = $27.
2. Subtract the sale discount: $90 - $27 = $63.
3. Use the coupon: $63 - $7 = $56.

Answer: $56

PRACTICE 6 problems

1 A game costs $40 and is on sale for 15% off. What is the sale price?

ANSWER _____

2 A pair of headphones costs $52. You use a $9 coupon. What is the price after the coupon?

ANSWER _____

3 A water bottle costs $38 and has a $6 mail-in rebate. What is the final cost after the rebate?

ANSWER _____

4 A $45 shirt is 10% off at Store A. At Store B, the same shirt has a $5 coupon. Which store has the lower price, and by how much?

ANSWER _____

5 A hoodie costs $64 and is on sale for 25% off. How much money do you save?

ANSWER _____

6 A $24 book has a $3 coupon and a $4 rebate. What do you pay at checkout, and what is the final cost after the rebate?

ANSWER _____

APPLY IT Show your work

1 A game controller normally costs $48. Shop A has a 25% sale. Shop B lets you use an $8 coupon and offers a $5 rebate. Which shop has the lower final cost, and how much lower is it?

WORK SPACE

ANSWER _____

2 A custom phone case costs $42 at both stores. Store A offers 1/3 off. Store B has a $10 coupon and a $5 mail-in rebate. Which store has the lower final cost, and what is the difference?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A pair of earbuds is marked $75. Store A gives 20% off and then lets you use a $6 coupon. Store B lets you use a $12 coupon and offers a $9 mail-in rebate. You have only $60 to spend today. Which store can you buy from today? After the rebate, which store has the lower final cost? Explain with prices.

WORK SPACE AND ANSWER

ANSWER KEY

Deal Detective Math

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A game costs $40 and is on sale for 15% off. What is the sale price?	**$34**
2	A pair of headphones costs $52. You use a $9 coupon. What is the price after the coupon?	**$43**
3	A water bottle costs $38 and has a $6 mail-in rebate. What is the final cost after the rebate?	**$32**
4	A $45 shirt is 10% off at Store A. At Store B, the same shirt has a $5 coupon. Which store has the lower price, and by how much?	**Store B, by $0.50**
5	A hoodie costs $64 and is on sale for 25% off. How much money do you save?	**$16**
6	A $24 book has a $3 coupon and a $4 rebate. What do you pay at checkout, and what is the final cost after the rebate?	**$21 at checkout; $17 after the rebate**

PART 2 · APPLY IT

1. **Shop B has the lower final cost, $35, which is $1 less than Shop A's $36.** At Shop A, 25% of $48 is $12, so the sale price is $36. At Shop B, subtract the $8 coupon and $5 rebate from $48 to get $35.
2. **Store B has the lower final cost, $27, which is $1 less than Store A's $28.** At Store A, 1/3 of $42 is $14, so the final cost is $28. At Store B, $42 - $10 - $5 = $27.

CHALLENGE

You can buy from Store A today because its checkout price is $54. Store B requires $63 today, but its final cost after the $9 rebate is $54, so the final costs are equal.

Accept dollar signs as optional and equivalent money forms such as 40.50 for $40.50. For rebate items, distinguish the checkout price from the final cost after the rebate.