Portfolio Moves

Track shares, cash, fees, and value.

HIGH SCHOOL · MA.912.FL.4.6

MA.912.FL.4.6 "Simulate the purchase of a stock portfolio with a set amount of money, and evaluate its worth over time considering gains, losses and selling, taking into account any associated fees."

NAME ______________________________ DATE ______________

TRACK EVERY DOLLAR

Purchase cost equals share cost plus the buying fee. After a price change or sale, include shares still owned, sale cash after fees, and any unspent cash when you compare with the starting amount.

WORKED EXAMPLE

Buy 4 shares at $15 each and pay a $3 buying fee. Later, each share is worth $18. Find the gain.

1. 4 x $15 = $60
2. $60 + $3 = $63 paid
3. 4 x $18 = $72; $72 - $63 = $9 gain

Answer: $9 gain

PRACTICE 5 problems

1 Buy 6 shares at $12 each and pay a $2 fee. What is the total cost?

ANSWER ______________________________

2 Buy 5 shares at $14 each and pay a $1 fee. The price falls to $11. What is the loss if you still own all shares?

ANSWER ______________________________

3 Buy 8 shares at $11 each and pay a $6 fee. Sell all shares at $12 each and pay a $2 selling fee. What is the gain or loss?

ANSWER ______________________________

4 You have $94. Shares cost $11 each, and the buying fee is $6. What is the greatest number of shares you can buy, and how much is left?

ANSWER ______________________________

5 You bought 12 shares at $7 each and paid a $2 fee. You sell 5 shares at $10 each and pay a $1 selling fee. The remaining 7 shares are worth $8 each. What is your total current value and net gain?

ANSWER ______________________________

APPLY IT Show your work

1 In an investing game, Kai starts with $130. Kai buys 8 shares at $14 each and pays a $6 fee. Later, Kai sells all 8 shares at $17 each and pays a $5 selling fee. How much cash does Kai have after the sale, and what is the gain?

WORK SPACE

ANSWER ____________________

2 Maya sets aside $200 for a concert fund and tries a virtual stock purchase. She buys 12 shares at $11 each and pays a $2 fee. The price drops to $8, so she sells 5 shares and pays a $1 selling fee. She keeps the other 7 shares. What is the current value of her cash and shares, and what is her loss?

WORK SPACE

ANSWER ____________________

CHALLENGE One step up

CHALLENGE

You start with $260. You buy 10 shares of Stock A at $13 each and pay a $2 fee. You also buy 6 shares of Stock B at $17 each and pay a $1 fee. Later, you sell 5 shares of A at $16 each and pay a $2 selling fee. The remaining shares of A are worth $12 each, and B is worth $14 each. What is your total portfolio worth, including cash, and your gain or loss?

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Portfolio Moves

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Buy 6 shares at $12 each and pay a $2 fee. What is the total cost?	**$74**
2	Buy 5 shares at $14 each and pay a $1 fee. The price falls to $11. What is the loss if you still own all shares?	**$16 loss**
3	Buy 8 shares at $11 each and pay a $6 fee. Sell all shares at $12 each and pay a $2 selling fee. What is the gain or loss?	**$0, break even**
4	You have $94. Shares cost $11 each, and the buying fee is $6. What is the greatest number of shares you can buy, and how much is left?	**8 shares, $0 left**
5	You bought 12 shares at $7 each and paid a $2 fee. You sell 5 shares at $10 each and pay a $1 selling fee. The remaining 7 shares are worth $8 each. What is your total current value and net gain?	**$105 current value, $19 gain**

PART 2 · APPLY IT

1. **$143 cash, $13 gain** The purchase uses $118, leaving $12. Net sale proceeds are $131, so total cash is $143 and the gain is $13.
2. **$161 current value, $39 loss** She has $66 unspent, receives $39 from the sale, and keeps shares worth $56. Her total is $161, which is $39 less than $200.

CHALLENGE

$247 total worth, $13 loss

Accept equivalent wording such as no gain or loss for break even. Current value includes unspent cash, net sale proceeds, and the value of shares still owned.