Tips, Commissions, and Fees

Name: _____	Date: _____	Score: _____ / 18

Quick Review and Helpful Hints

A tip, commission, or fee is a *percent of an amount*. Multiply the amount by the percent (as a decimal). To find a *total* that includes a tip, add the tip to the original amount.

▷ **Example:** Find a 15% tip on a $\$40$ bill. **Work:** Change 15% to 0.15 and multiply by the bill: 0.15×40. ★ **Answer:** $\$6$

Tip = percent of the bill.

Practice Problems

Find each tip, commission, fee, or total.

1. 15% tip on $\$40$ _____

2. 20% tip on $\$50$ _____

3. 10% tip on $\$30$ _____

4. 5% commission on $\$200$ _____

5. 10% fee on $\$100$ _____

6. 18% tip on $\$50$ _____

7. 25% commission on $\$80$ _____

8. 20% tip on $\$35$ _____

9. 15% tip on $\$20$ _____

10. 6% commission on $\$500$ _____

11. 10% tip on $\$45$ _____

12. 8% fee on $\$50$ _____

13. 30% commission on $\$90$ _____

14. 20% tip on $\$60$ _____

Word Problems

15. A $\$40$ meal gets a 20% tip. Find the tip.

_____

16. A salesperson earns 5% on $\$2000$ in sales. Find the commission.

_____

17. A group has a $\$60$ dinner bill and agrees to leave a 15% tip before splitting the check. How much should they leave for the tip?

_____

18. A $\$50$ service has a 10% fee added. Find the total cost.

_____

Answer Keys

1. $6	**7.** $20	**13.** $27
2. $10	**8.** $7	**14.** $12
3. $3	**9.** $3	**15.** $8
4. $10	**10.** $30	**16.** $100
5. $10	**11.** $4.50	**17.** $9
6. $9	**12.** $4	**18.** $55

Step-by-Step Explanations

1. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.15 \times 40 = \$6$. So the final answer is $\$6$.

2. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.20 \times 50 = \$10$. So the final answer is $\$10$.

3. Step by step: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.10 \times 30 = \$3$. So the final answer is $\$3$.

4. Take it one move at a time: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.05 \times 200 = \$10$. So the final answer is $\$10$.

5. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.10 \times 100 = \$10$. So the final answer is $\$10$.

6. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.18 \times 50 = \$9$. So the final answer is $\$9$.

7. Step by step: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.25 \times 80 = \$20$. So the final answer is $\$20$.

8. Take it one move at a time: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.20 \times 35 = \$7$. So the final answer is $\$7$.

9. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.15 \times 20 = \$3$. So the final answer is $\$3$.

10. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.06 \times 500 = \$30$. So the final answer is $\$30$.

11. Step by step: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.10 \times 45 = \$4.50$. So the final answer is $\$4.50$.

12. Take it one move at a time: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.08 \times 50 = \$4$. So the final answer is $\$4$.

13. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.30 \times 90 = \$27$. So the final answer is $\$27$.

14. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.20 \times 60 = \$12$. So the final answer is $\$12$.

15. Step by step: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.20 \times 40 = \$8$. So the final answer is $\$8$.

16. Take it one move at a time: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.05 \times 2000 = \$100$. So the final answer is $\$100$.

17. Start by naming the process: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $0.15 \times 60 = \$9$. So the final answer is $\$9$.

18. A good way to think about this is: Read what the problem is asking, choose the matching rule, write the setup, and then simplify one step at a time. The setup/work is $50 + 0.10 \times 50 = 50 + 5 = \$55$. So the final answer is $\$55$.

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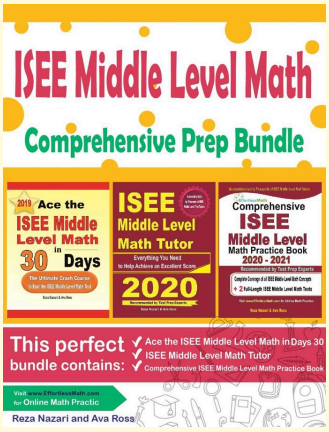

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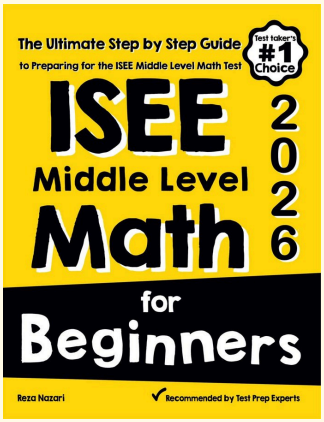

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