

Simple Interest

Name: _____ Date: _____ Score: _____ / 18

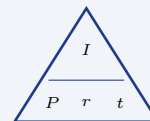
Quick Review and Helpful Hints

Simple interest is $I = P \cdot r \cdot t$, where P is the principal (starting amount), r is the yearly rate written as a *decimal*, and t is the time in years. The total amount is $A = P + I$. Always change the percent rate to a decimal before multiplying.

▶ **Example:** Find the simple interest on \$500 at 4% for 3 years.

Work: Use $I = Prt$ with $r = 0.04$: $I = 500 \times 0.04 \times 3$. Multiply step by step: $500 \times 0.04 = 20$, then 20×3 .

★ **Answer:** \$60



$$I = P \times r \times t.$$

Practice Problems

Find the simple interest I .

- | | |
|---|--|
| <p>1. $P = \\$100, r = 5\%, t = 1$ yr _____</p> <p>2. $P = \\$200, r = 10\%, t = 2$ yr _____</p> <p>3. $P = \\$1000, r = 3\%, t = 4$ yr _____</p> <p>4. $P = \\$500, r = 6\%, t = 1$ yr _____</p> <p>5. $P = \\$800, r = 5\%, t = 2$ yr _____</p> <p>6. $P = \\$1500, r = 4\%, t = 3$ yr _____</p> <p>7. $P = \\$250, r = 8\%, t = 1$ yr _____</p> | <p>8. $P = \\$2000, r = 2\%, t = 5$ yr _____</p> <p>9. $P = \\$400, r = 10\%, t = 3$ yr _____</p> <p>10. $P = \\$600, r = 5\%, t = 4$ yr _____</p> <p>11. $P = \\$1200, r = 6\%, t = 2$ yr _____</p> <p>12. $P = \\$300, r = 4\%, t = 5$ yr _____</p> <p>13. $P = \\$5000, r = 3\%, t = 1$ yr _____</p> <p>14. $P = \\$900, r = 10\%, t = 2$ yr _____</p> |
|---|--|

Word Problems

15. You deposit \$1000 at 5% simple interest for 3 years. How much interest do you earn? _____
16. A \$2000 loan is at 4% simple interest for 2 years. What is the total amount to repay? _____
17. How much interest does \$500 earn at 6% for 1 year? _____
18. A \$1500 investment earns 8% simple interest for 2 years. How much interest is that? _____



Answer Keys

- | | | |
|----------|-----------|------------|
| 1. \$5 | 7. \$20 | 13. \$150 |
| 2. \$40 | 8. \$200 | 14. \$180 |
| 3. \$120 | 9. \$120 | 15. \$150 |
| 4. \$30 | 10. \$120 | 16. \$2160 |
| 5. \$80 | 11. \$144 | 17. \$30 |
| 6. \$180 | 12. \$60 | 18. \$240 |

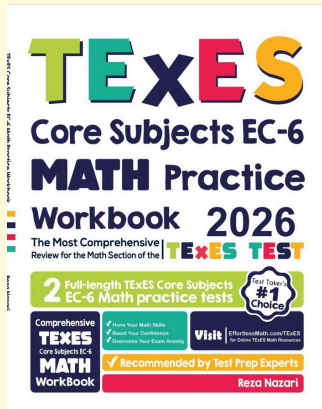
Step-by-Step Explanations

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 Use $I = Prt$. Change 5% to 0.05, then multiply: $100 \times 0.05 \times 1 = \5 . So the final answer is \$5.
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 $I = 200 \times 0.10 \times 2$. Step by step: $200 \times 0.10 = 20$, then $20 \times 2 = \$40$. So the final answer is \$40.
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 $I = 1000 \times 0.03 \times 4 = 30 \times 4 = \120 . So the final answer is \$120.
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 $I = 500 \times 0.06 \times 1 = \30 . So the final answer is \$30.
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 $I = 800 \times 0.05 \times 2 = 40 \times 2 = \80 . So the final answer is \$80.
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 $I = 1500 \times 0.04 \times 3 = 60 \times 3 = \180 . So the final answer is \$180.
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 $I = 250 \times 0.08 \times 1 = \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 $I = 2000 \times 0.02 \times 5 = 40 \times 5 = \200 . So the final answer is \$200.
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 $I = 400 \times 0.10 \times 3 = 40 \times 3 = \120 . So the final answer is \$120.
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 $I = 600 \times 0.05 \times 4 = 30 \times 4 = \120 . So the final answer is \$120.
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 $I = 1200 \times 0.06 \times 2 = 72 \times 2 = \144 . So the final answer is \$144.
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 $I = 300 \times 0.04 \times 5 = 12 \times 5 = \60 . So the final answer is \$60.
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 $I = 5000 \times 0.03 \times 1 = \150 . So the final answer is \$150.
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 $I = 900 \times 0.10 \times 2 = 90 \times 2 = \180 . So the final answer is \$180.
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 Use $I = Prt$: $1000 \times 0.05 \times 3 = 50 \times 3 = \150 interest. So the final answer is \$150.
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 Interest is $2000 \times 0.04 \times 2 = 80 \times 2 = \160 . The total to repay is $2000 + 160 = \$2160$. So the final answer is \$2160.
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 $I = 500 \times 0.06 \times 1 = \30 . So the final answer is \$30.
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 $I = 1500 \times 0.08 \times 2 = 120 \times 2 = \240 . So the final answer is \$240.



Keep Building TExES Core Subjects Math Skills

Recommended Effortless Math resources



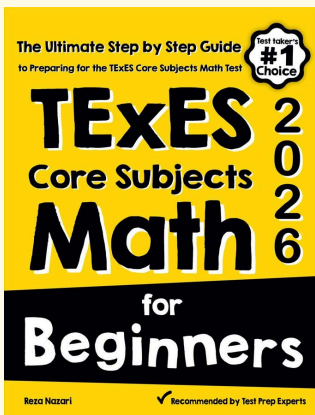
TExES Core Subjects EC-6 Math Practice Workbook 2026

Use the complete TExES Core Subjects Math resource for review, worked examples, extra practice, and test-style questions after each worksheet.



Scan Me
Download Instantly

STUDENT FAVORITE - TExES Core Subjects Math for Beginners



TExES Core Subjects Math for Beginners 2026

Step-by-step lessons, topic practice, and full review support for students who want a calm path through TExES Core Subjects Math preparation.

A strong companion for self-study, tutoring, homework, and targeted review.

PDF Edition



Scan Me
Download Instantly

For more TExES Core Subjects Math prep, visit EffortlessMath.com/TExES