

## Module 9

### Percentages in Real-Life

#### Part 1: The Meaning of Percent

##### Exercise 1-A

1. 2%      2. 69%      3. 89%

##### Exercise 1-B

4. 10%      5. 13%      6. 7%      7. 0%      8. 98%  
9. 67%      10. 25%      11. 18%

##### Exercise 1-C

12. 10      13. 25%      14. 25%      15. December

#### Part 2: Fractions and Percents

##### Exercise 2-A

1. 16%      2. 81%      3. 1%      4. 60%  
5. 75%      6. 100%      7. 50%      8. 45%  
9. 30%      10. 113%      11. 40%      12. 24%

##### Exercise 2-B

13.  $\frac{3}{100}$       14.  $\frac{70}{100}$       15.  $\frac{49}{100}$       16.  $\frac{10}{100}$   
17.  $\frac{1}{100}$       18.  $\frac{6}{100}$       19.  $\frac{25}{100}$       20.  $\frac{110}{100}$   
21.  $\frac{50}{100}$       22.  $\frac{5}{100}$       23.  $\frac{9}{100}$       24.  $\frac{36}{100}$   
25.  $\frac{45}{100}$       26.  $\frac{85}{100}$       27.  $\frac{40}{100}$

##### Critical Thinking

28. 1      29. Change  $\frac{6}{25}$  to a percent and compare.

#### Part 3: Decimals and Percents

##### Exercise 3-A

1. 90%      2. 17%      3. 60%      4. 4%  
5. 38.7%      6. 9%      7. 51.7%      8. 23%  
9. 50%      10. 10%      11. 49.2%      12. 11.1%  
13. 70%      14. 82.5%      15. 40%

**Exercise 3-B**

- |           |           |           |           |
|-----------|-----------|-----------|-----------|
| 16. 0.37  | 17. 0.98  | 18. 0.03  | 19. 0.429 |
| 20. 0.631 | 21. 0.142 | 22. 0.029 | 23. 0.85  |
| 24. 0.09  | 25. 0.043 | 26. 0.24  | 27. 0.01  |
| 28. 0.063 | 29. 0.849 | 30. 0.037 |           |

**Calculating**

- |           |           |           |           |
|-----------|-----------|-----------|-----------|
| 31. 37.5% | 32. 87.5% | 33. 16.7% | 34. 14.2% |
|-----------|-----------|-----------|-----------|

**Part 4: A Percent of a Number****Exercise 4-A**

- |         |           |         |         |
|---------|-----------|---------|---------|
| 1. 12.4 | 2. 15.2   | 3. 2.94 | 4. 34.4 |
| 5. 28   | 6. 19.25  | 7. 53.9 | 8. 54.4 |
| 9. 162  | 10. 136.5 |         |         |

**Exercise 4-B**

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|-----------|-----------|----------|-----------|
| 11. 19    | 12. 34.78 | 13. 89.9 | 14. 165.6 |
| 15. 112.5 | 16. 148.5 | 17. 19   | 18. 75.53 |
| 19. 33.6  | 20. 2     |          |           |

**Calculating**

- |             |          |            |             |
|-------------|----------|------------|-------------|
| 21. 6.6     | 22. 15.2 | 23. \$5.42 | 24. \$46.00 |
| 25. \$96.00 | 26. 13.5 |            |             |

**Part 5: Problem Solving Using Percent****Real-Life Math****Exercise 5-A**

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|-------------|-------------|-------------|
| 1. \$34.00  | 2. \$276.00 | 3. \$48.93  |
| 4. \$419.62 | 5. \$11,875 | 6. \$257.82 |
| 7. \$350.63 | 8. \$16.69  |             |

**Real-Life Math****Exercise 5-B**

- |            |             |
|------------|-------------|
| 9. \$52.00 | 10. \$11.25 |
|------------|-------------|

### Exercise 5-c

11. the disc reduced by 20%      12. The \$140.00 machine  
13. reduced by \$40

### Real-Life Math

#### Module #9 Task-Based Activity: Calculating Simple Interest

#### OALCF Connection

- A. Find and Use Information: A2. Interpret documents
- B. Communicate Ideas and Information: B3. Complete and create documents
- C. Understand and Use Numbers: C1. Manage money

1. \$65.00    2. \$90.00    3. \$175.00  
4. \$261.00    5. \$160.00

#### Review

1. 3%      2. 16%      3. 49%      4. 23%  
5. 13%      6. 62%      7. 2%      8. 4%      9. 40%  
10. 70%      11.  $\frac{1}{20}$       12.  $\frac{17}{100}$       13.  $\frac{7}{20}$   
14.  $\frac{2}{25}$       15.  $\frac{2}{5}$       16.  $\frac{29}{100}$       17. 0.42  
18. 0.047      19. 0.334      20. 0.039  
21. 0.063      22. 0.12      23. 7.2      24. 6.24  
25. 19.8      26. \$29.98      27. \$42.50  
28. \$55.20