

LESSON
3.7
Practice A
For use with pages 176–181
Write the percent as a decimal.

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|--------|----------|---------|---------|
| 1. 40% | 2. 6% | 3. 82% | 4. 55% |
| 5. 99% | 6. 45.5% | 7. 1.1% | 8. 103% |

Identify the percent, the base, and the part of the base in the statement.

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| 9. 42 is 30% of 140. | 10. 50% of 90 is 45. | 11. 5 is 10% of 50. |
| 12. 16% of 250 is 40. | 13. 1.1% of 500 is 5.5. | 14. 12.6 is 18% of 70. |

Use a proportion to answer the question.

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| 15. What percent of 20 is 6? | 16. What percent of 130 is 52? |
| 17. What number is 20% of 125? | 18. What number is 45% of 300? |
| 19. 6 is 10% of what number? | 20. 72 is 36% of what number? |

Use the percent equation to answer the question.

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| 21. What percent of 60 is 6? | 22. What percent of 80 is 12? |
| 23. What number is 25% of 60? | 24. What number is 70% of 180? |
| 25. 18 is 20% of what number? | 26. 190 is 95% of what number? |
27. **Sweater** You bought a sweater on sale for \$15. The original price of the sweater was \$40. What percent of the original price was the sale price?
28. **Aquarium** You have filled 15% of a 30-gallon aquarium with water. How much water have you put into the aquarium?
29. **Research Paper** You have written 4 pages of a research paper. This is 80% of the number of pages you need to complete the paper. How many pages is the paper supposed to be?

30. **Exercise** A survey asked 300 people how many hours a week they exercise. The results are shown in the graph.

- How many people exercised 0–1 hour per week?
- How many people exercised 2–3 hours per week?
- How many people exercised 4–5 hours per week?
- How many people exercised 6–7 hours per week?

