CCM 1 Unit 1: Lesson 4: Equation Word Problems

- Last week Julia ran 30 miles more than Peggy. Julia ran 47 miles. How many miles did Peggy run?
- 4. 331 students went on a field trip. Six buses were filled and 7 students traveled in cars. How many students were in each bus?

- 2. The length of a rectangle is 6 in. more than its width. The perimeter of the rectangle is 24 in. What is the length of the rectangle?
- Aliyah had \$24 to spend on seven pencils. After buying them she had \$10. How much did each pencil cost?

- 3. The sum of three consecutive even numbers is 48. What is the smallest of these numbers?
- 6. A wise man once said, "500 reduced by twice my age is 390. What is his age?

CCM 1 Unit 1: Lesson 4 Graded Practice

- John and 2 friends are going out for pizza for lunch. They split one pizza and 3 large drinks. The pizza cost \$14.00. After using a \$7.00 gift certificate, they spend a total of \$12.10. Write an equation to model this situation, and find the cost of one large drink.
- 4. The sum of three consecutive even numbers
- is -84. What is the smallest of these numbers?

- 4. The sum of three consecutive numbers is 132. What is the largest of these numbers?
- The length of a rectangle is 8 cm more than
 3 times its width. The perimeter of the rectangle is 64 cm.
 - **a**. What are the dimensions of the rectangle? Show your work.
 - **b**. What is the area of the rectangle? Show your work.
- 5. For a field trip 11 students rode in cars and the rest filled nine buses. How many students were in each bus if 452 students were on the trip?

6. A wise man once said, "500 reduced by three times my age is 260. What is his age?

- 3. **a**. Find the value of a.
 - **b**. Find the value of the marked angles.



7. The sum of three consecutive odd numbers is 129. What is the middle number?

9. A camera manufacturer spends \$2,100 each day for overhead expenses plus \$9 per camera for labor and materials. The cameras sell for \$14 each.

a. How many cameras must the company sell in one day to equal its daily costs?

12. The length of a rectangle is 5 centimeters less than twice its width. The perimeter of the rectangle is 26 cm. What are the dimensions of the rectangle?

10. John and his two friends rent a canoe for \$5 per hour. Each person must rent a life jacket for \$2. If the bill for the rental of the canoe and life jackets is \$41, for how many hours did they rent the canoe 13. Carlos and Maria drove a total of 258 miles in 5 hours. Carlos drove the first part of the trip and averaged 53 miles per hour. Maria drove the remainder of the trip and averaged 51 miles per hour. For approximately how many hours did Maria drive? Round your answer to the nearest tenth if necessary.

14. The sum of three consecutive numbers is -84. What is the middle number?

11. For a field trip 4 students rode in cars and the rest filled nine buses. How many students were in each bus if 472 students were on the trip?

15. The sum of three consecutive odd numbers is 33. What are the three numbers?