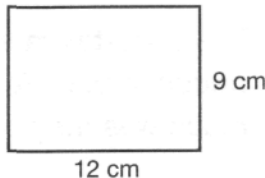Name _____

Score _____

1. A number cube is rolled once.
(58)
   a. What is the sample space of the experiment?

   b. What is the probability that the number rolled will be less than 4?

6. 2.5 − 0.25
(40)

7. 1.4 × 0.06
(39)

2. What is the perimeter of a regular hexagon if each side is 7 inches long?
(60)

8. The diameter of a truck's tire is 50 inches. How far down the road will the tire travel if it makes one full turn? (Use 3.14 for π and round your answer to the nearest inch.)
(47)

3. How many square centimeters are needed to cover this rectangle?
(31)

9 cm

12 cm

9. Which of these numbers is not a prime number?
(19)

   A. 2

   B. 3

   C. 4

   D. 5

4. Which digit in 5.6789 is in the thousandths place?
(34)

10. The team won 12 of its 30 games and lost the rest. What was the team's win-loss ratio?
(23)

Simplify 5–7.

5. 6.2 + 0.56 + 12
(38)

Simplify 11–16.

11. $1 - \frac{5}{8}$
(36)

12. $1.2 \div 5$
(45)

13. $24 \div 0.6$
(49)

14. $12.34 \div 10$
(52)

15. $\frac{3}{4} + \frac{1}{3}$
(56)

16. $\frac{2}{3} - \frac{1}{5}$
(56)

17. Compare: $\frac{5}{8} \bigcirc \frac{3}{4}$
(56)

Simplify 18–19.

18. $4\frac{3}{4} + 2\frac{1}{2}$
(59)

19. $8\frac{1}{3} - 2\frac{2}{3}$
(48)

20. The sales-tax rate was 8%. Bethany
(41) bought a book for $9.49. How much was the tax on the book?

Saxon Math Course 1