

Name _____

Score _____

Cumulative Test 10A

Math Course 2
Also take Power-Up Test 10

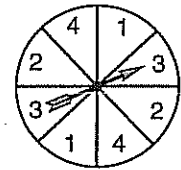
1. How far will a freight train travel in 3 hours at an average speed of 48 miles per hour?
(46)

2. Brand X costs \$1.56 for 12 ounces. Brand Y costs 2¢ more per ounce. What is the cost of 15 ounces of Brand Y?
(28)

3. The ratio of black beans to sweet peas in the garden was 12 to 5. What was the ratio of sweet peas to black beans?
(36)

4. During the month of February, Hannah's weekly grocery bills were \$109.60, \$114.56, \$85.90, and \$122.14. Find Hannah's average weekly grocery bill in February to the nearest dollar.
(28)

5. Find the probability that the spinner will stop on an even number. Write the probability as a decimal number.
(14, 43)

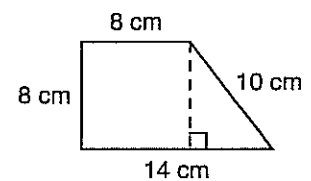


6. Diagram this statement. Then answer the questions that follow.
(22)

Forty percent of the 70 buttons in the box had 5 holes.

- a. What fraction of the buttons did not have 5 holes?
- b. How many buttons did not have 5 holes?

7. Find the area of this figure.
(37)



8. Write 24% as a reduced fraction.
(43)

9. Divide 4.8 by 11 and write the answer with a bar over the repetend.
(42)

10. Reduce: $\frac{490}{560}$
(15)

11. If the perimeter of a square is 32 inches, what is its area?
(19, 20)

Solve 12–14.

12. $\frac{49}{56} = \frac{21}{f}$
(39)

13. $3w = 8.4$
(3, 35)

14. $5 - m = 1.36$
(3, 35)

Simplify 15–20.

15. $8^2 - 3^3$
(20)

16.
$$\begin{array}{r} 1 \text{ yd } 2 \text{ ft } 7 \text{ in.} \\ + 2 \text{ yd } 1 \text{ ft } 8 \text{ in.} \\ \hline \end{array}$$

(49)

17. $14\frac{11}{12} - 8\frac{3}{8}$
(30)

18. $5\frac{3}{7} \div 3\frac{4}{5}$
(26)

19. 0.245×10^3
(47)

20. $0.1004 \div 0.08$
(45)