Correction notes from Period 1 (Period 3's Correction notes start on page 5)

$\frac{0.6}{5}(200) = 0.12(200) = 24$ $200(0.6 \cdot 5) = 200(3) = 600$

Independent Practice

Go online for Step-by-Step Solutions eHelp

Use a strategy to solve each problem.

60%

$200(0.6) = 120$
$120(0.6) = 72$
$72(0.6) = 43.2$
$43.2(0.6) = 25.92$
$25.92(0.6) = 15.54$
15.5 ft

$100 \div 100 = 1$
$100 \div 50 = 2$
$100 \div 10 = 10$
$5 \div 5 = 1$
$5 \div 1 = 5$
$5 \div 0.6 = 8.\overline{3}$

5. STEM A ball bounces back 0.6 of its height on every bounce. If a ball is dropped from 200 feet, how high does it bounce on the fifth bounce? Round to the nearest tenth. (Example 1)

6. Rafael is burning a CD for Selma. The CD will hold 35 minutes of music. Which songs should he select from the list to record the maximum time on the CD without going over? (Example 2)

Song	A	B	C	D	E
Time	5 min 4 s	9 min 10 s	4 min 12 s	3 min 9 s	3 min 44 s
Song	F	G	H	I	J
Time	4 min 30 s	5 min 0 s	7 min 21 s	4 min 33 s	5 min 58 s

$200(0.6^5) =$ X Y

7. The cubes at the right are each numbered 1 through 6. During a game, both are rolled and the faces landing up are added. How many ways can a person playing the game roll a sum less than 8? (Example 3)

8. To catch a 7:30 A.M. bus, Don needs 30 minutes to shower and dress, 15 minutes for breakfast, and 10 minutes to walk to the bus stop. To catch the bus, what is his latest possible wake-up time? (Example 4)

9. Financial Literacy Mr. and Mrs. Delgado each own an equal number of shares of a stock. Mr. Delgado sells one-third of his shares for $2700. What was the total value of Mr. and Mrs. Delgado's stock before the sale?

10. The three counters shown in the table are used for a board game. If the counters are tossed, how many ways can at least one counter with Side A occur?

Counters	Side 1	Side 2
Counter 1	A	B
Counter 2	A	C
Counter 3	B	C

(13)

11. Odell has the same number of quarters, dimes, and nickels. In all he has $4 in change. How many of each coin does he have?

B	C	NOW	4 YRS
6	2	↓	X
12	4	↓	↓
16	8		

12. A certain number is multiplied by 3, and then 5 is added to the result. The final answer is 41. What is the number?

13. Lawanda put $15 of her paycheck into her savings account. Then she spent one-half of what was left on clothes. She paid $24 for a concert ticket and later spent one-half of what was then left on a book. When she got home, she had $14 left. What was the amount of Lawanda's paycheck?

$14
x2
$28 BEFORE BUYING THE BOOK
+$24 COST OF CONCERT TICKET
$52
x2
$104 BEFORE BUYING CLOTHES
+$15
$119

14. The spinner at the right is used to play a certain game. On your turn, you must spin the spinner twice. How many different combinations of colors could you spin? List all possible combinations.

$B = 3C$ $B+4 = 3C+4$

15. Brianne is three times as old as Camila. Four years from now she will be just two times as old as Camila. How old are Brianne and Camila now?

BRIANNE IS 12 AND CAMILA IS 4

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H.O.T. Problems Higher Order Thinking

16. **Model with Mathematics** Write a real-world problem that can be solved by working backward. Include the answer to your problem.

17. **Justify Conclusions** Tyler has 23 baseball cards in his collection. Each week, he buys a package with 8 cards to add to his collection. If Tyler continues in this way, will he ever have exactly 504 cards in his collection? Explain your reasoning.

18. **Identify Repeated Reasoning** Find the value of 1^2, 11^2, and 111^2. Then use your results to predict the value of $111{,}111^2$.

19. **Building on the Essential Question** Explain how to decide which strategy to use when solving a problem.

Standardized Test Practice

20. The sandwich choices at a local deli are shown in the table below. If a customer orders a sandwich with cheddar cheese and only one type of meat, how many different sandwiches are available?

Sandwich Choices	
Meats	Cheeses
ham salami turkey	cheddar Swiss colby

A 1 C 4

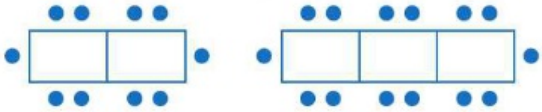
B 3 D 6

21. The product of three consecutive whole numbers is 210. What is the sum of the three whole numbers?

F 70 H 15

G 18 J 7

22. A restaurant has rectangular tables that can be placed together end-to-end. When 2 tables are placed together, 10 people can be seated. When 3 tables are placed together, 14 people can be seated. How many people can be seated when 7 tables are placed together?



2 tables
10 people

3 tables
14 people

A 35 C 30

B 34 D 28

23. **Short Response** Isabelle took half of the cherries from a bowl. Then Roberto took half of the remaining cherries. Finally, Malia took 3 cherries from the bowl. This left 5 cherries in the bowl. How many cherries were in the bowl before Isabelle arrived?

Common Core Review

Evaluate each expression. 5.OA.1

24. $3[2(5) - 6]$

25. $12 + 6 \div 3$

26. $24 \div (2 + 4) + 2$

27. $9 + 2(12 - 4)$

28. $30 - 24 \div 6$

29. $19 - (7 - 4) \times 3$

Evaluate each expression if $x = 6$, $y = 4$, and $z = 9$. 7.NS.1, 7.NS.2

30. $2y - 5$

31. $\frac{xz}{6}$

32. $3z - 2x + y$

33. $\frac{y + z + 5}{x}$

34. $y \div 2 + 2x$

35. $z(x + 4)$

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Use a strategy to solve each problem.

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6. Rafael is burning a CD for Selma. The CD will hold 35 minutes of music. Which songs should he select from the list to record the maximum time on the CD without going over? (Example 2)

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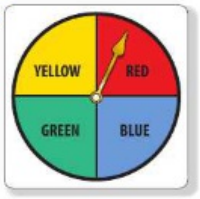

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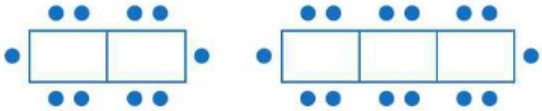

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