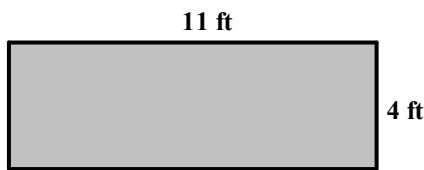# Chapter 1 PreTest – Form A

Name:

Date:

1. Determine the place value of the digit 6 in the whole number 60792.

1. _____

2. Write the whole number 37129 in words.

2. _____

3. Add: 345 + 23

3. _____

4. Subtract: 654 – 234

4. _____

5. Subtract: 1276 – 834

5. _____

6. Karl found one suit that costs $198 and another that costs $112. How much more does the first one cost than the second?

6. _____

7. Round 32599 to the nearest ten.

7. _____

8. Round each number to the nearest hundred to find an estimated sum.
   $$324 + 678 + 10886 + 212$$

8. _____

9. Use the Distributive Property to rewrite the following expression.
   $$43(34 + 23)$$

9. _____

10. Multiply: $213 \times 11$

10. _____

11. Multiply: $6231 \cdot 100$

11. _____

12. Find the perimeter and area of the following rectangle.

12. _____

_____



**11 ft**

**4 ft**

13. There are 16 grams of fat in a serving of peanut butter. How many grams of fat are in 24 servings?

13. _____

Divide and then check by multiplying.

14. $1043 \div 7$

14. _____

15. $\dfrac{1476}{123}$

15. _____

16. $0 \div 12$

16. _____

# Chapter 1 PreTest – Form A (cont'd)

**17.** Four friends put up $34,616 to start a new business. If they each put up the same amount, how much did each friend contribute?

**17.** _____

**18.** Evaluate: $5^5$

**18.** _____

**19.** Evaluate: $\sqrt{36}$

**19.** _____

**20.** Simplify: $2(5-3)^2 + \sqrt{25}$

**20.** _____

# Chapter 1 PreTest – Form B

Name:

Date:

1. Determine the place value of the digit 9 in the whole number 19002.    1. _____

2. Write the whole number 22,405 in words.    2. _____

3. Add: 56 + 43    3. _____

4. Subtract: 349 – 205    4. _____

5. Subtract: 1361 – 716    5. _____

6. Olga has a coupon for \$24 off any suit. How much would a suit marked \$89 cost with the coupon?    6. _____

7. Round 8706 to the nearest ten.    7. _____

8. Round each number to the nearest hundred to find an estimated sum.    8. _____

$$567$$
$$356$$
$$1192$$
$$+\ \ \ 134$$

9. Use the Distributive Property to rewrite the following expression.
$$7(4+9)$$    9. _____

10. Multiply: $\begin{array}{r} 321 \\ \times\ \ 9 \\ \hline \end{array}$    10. _____

11. Multiply: $7,240 \cdot 1000$    11. _____

12. A manufacturer packs 12 small appliances in a box. Find how many appliances are in 26 boxes.    12. _____

13. It costs \$384,000 to produce 8 cars. How much does it cost to produce each car?    13. _____

14. Find the perimeter and area of the following rectangle.    14. _____

_____

**15 in.**

**8 in.**
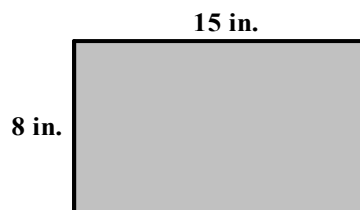
## Chapter 1 PreTest – Form B (cont'd)

Divide and then check by multiplying.

**15.** $5337 \div 9$

**15.** _____

**16.** $\dfrac{1352}{13}$

**16.** _____

**17.** $63 \div 0$

**17.** _____

**18.** Evaluate: $11^3$

**18.** _____

**19.** Evaluate: $\sqrt{64}$

**19.** _____

**20.** Simplify: $8 \div 2 - (\sqrt{4} + 1)$

**20.** _____

# Chapter 1 Test – Form A

Name:

Date:

1. Write 73,456 in words.

1. _____

2. Write "three hundred five thousand, five hundred forty-nine" in standard form.

2. _____

Simplify.

3. $49 + 94$

3. _____

4. $745 - 457$

4. _____

5. $321 \times 21$

5. _____

6. $12{,}167 \div 24$

6. _____

7. $3^4 \cdot 5^1$

7. _____

8. $\sqrt{9} \cdot \sqrt{36}$

8. _____

9. $0 \div 36$

9. _____

10. $342 \div 1$

10. _____

11. $12(6^2 - 4)$

11. _____

12. $16 + (16 \div 4) \cdot 3 + 4$

12. _____

13. $\dfrac{56 \div 8 \cdot 2}{(\sqrt{4} - 1)^2 + 6}$

13. _____

14. $6[(12 - 2)^2 + (26 - 16)^3 - 600]$

14. _____

15. $7345 \cdot 1000$

15. _____

16. Round 83,433 to the nearest thousand.

16. _____

Estimate each sum or difference by rounding each number to the nearest hundred.

17. $1423 + 6234 + 1867$

17. _____

18. $8734 - 2398$

18. _____

## Chapter 1 Test – Form A (cont'd)

Solve.

**19.** Find the sum of 20 and 110.

**19.** _____

**20.** Thirty-eight cans of paint cost $684. How much was each can?

**20.** _____

**21.** Rotchel Company had taxable income of $23,345,000 last year. If its income taxes were $780,450, what was their net income last year?

**21.** _____

**22.** James earns $340 per week. What is his total income in 7 weeks?

**22.** _____

**23.** Jessica buys 5 shirts for $21 each and 2 sweaters for $39 each. Find the total cost for these items.

**23.** _____

**24.** Henry made $70 mowing lawns on Wednesday, $35 on Thursday, and $70 on Friday. How many dollars did he earn?

**24.** _____

**25.** Find the area and perimeter of the figure.

**25.** _____

_____

**11 in.**

**11 in.**
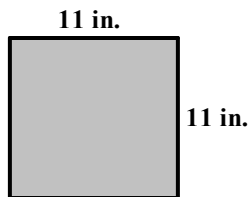
# Chapter 1 Test – Form B

Name:

Date:

1.  Write 351,204 in words.

1. _____

2.  Write "two million, three hundred thirty thousand" in standard form.

2. _____

Simplify.

3.  $39 + 43$

3. _____

4.  $303 - 192$

4. _____

5.  $456 \times 234$

5. _____

6.  $43,821 \div 79$

6. _____

7.  $3^2 \cdot 2^3$

7. _____

8.  $\sqrt{16} \cdot \sqrt{25}$

8. _____

9.  $13 \div 0$

9. _____

10. $0 \div 635$

10. _____

11. $2^3 \cdot 2^5 - 3 \cdot 5$

11. _____

12. $12 + 40 \div 8 - 45 \div 9$

12. _____

13. $\dfrac{8(6-5)-4}{5^2 - 23}$

13. _____

14. $4[3(22 - 18)^2 - 2 \cdot 5]$

14. _____

15. $6329 \cdot 100$

15. _____

16. Round 48,489 to the nearest thousand.

16. _____

Estimate each sum or difference by rounding each number to the nearest hundred.

17. $3467 + 1573 + 2765$

17. _____

18. $8734 - 2576$

18. _____

# Chapter 1 Test – Form B (cont'd)

Solve.

**19.** Find the quotient of 85 and 5.       **19.** _____

**20.** A store paid $385 for 35 small decorative pictures. How much did it pay for each?       **20.** _____

**21.** Jerry bought a new car listed at $24,325. He received a discount of $1399. How much did he pay for the car?       **21.** _____

**22.** James earns $440 per week. What is his total income in 8 weeks?       **22.** _____

**23.** Jessica buys 4 shirts for $29 each and 2 sweaters for $42 each. Find the total cost for these items.       **23.** _____

**24.** James's income tax for the last year was $2300 and for this year was $1800. How much is his total income tax for two years?       **24.** _____

**25.** Find the area and perimeter of the figure.       **25.** _____

     _____

**37 yards**

**11 yards**
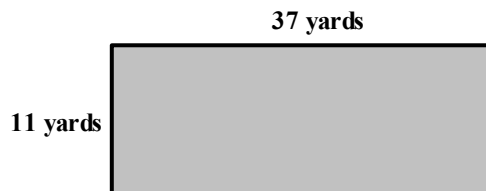
# Chapter 1 Test – Form C

Name:

Date:

1. Write 74,508 in words.

1. _____

2. Write "six hundred eight thousand, two hundred twenty-one" in standard form.

2. _____

Simplify.

3. $46 + 34$

3. _____

4. $888 - 569$

4. _____

5. $342 \times 23$

5. _____

6. $34,204 \div 39$

6. _____

7. $3^4 \cdot 4^2$

7. _____

8. $\sqrt{4} \cdot \sqrt{36}$

8. _____

9. $0 \div 450$

9. _____

10. $135 \div 0$

10. _____

11. $(3^3 - 10) \cdot 2$

11. _____

12. $20^2 \div 8 + 4 \cdot 12$

12. _____

13. $\dfrac{6 \cdot 3 - 3 \cdot \sqrt{16}}{2(\sqrt{100} - 3^2)}$

13. _____

14. $7[(19 - 17)^2 + 2^2]$

14. _____

15. $1335 \times 1000$

15. _____

16. Round 49,813 to the nearest thousand.

16. _____

Estimate each sum or difference by rounding each number to the nearest hundred.

17. $1483 + 3211 + 5234$

17. _____

18. $9107 - 5432$

18. _____

# Chapter 1 Test – Form C (cont'd)

Solve.

**19.** Find the product of 35 and 111.

**19.** _____

**20.** One foot is 12 inches. How many feet are in 780 inches?

**20.** _____

**21.** Marvin earns $432 a week. Shirley earns $329 a week for a similar job. How much more does Marvin earn per week than Shirley?

**21.** _____

**22.** A store received 21 boxes of shampoo with 32 bottles of shampoo in each. How many bottles of shampoo did it receive in all?

**22.** _____

**23.** Jessica buys 6 shirts for $23 each and 3 sweaters for $32 each. Find the total cost for these items.

**23.** _____

**24.** In 2004 there were 23,046 people living in a town. The following year 162 people moved into the town. What is the new population?

**24.** _____

**25.** Find the area and perimeter of the figure.

**25.** _____

_____

**9 ft**

**19 ft**
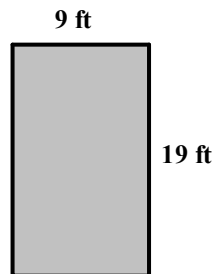
# Chapter 1 Test – Form D

Name:

Date:

1. Write 6,045,213 in words.

1. _____

2. Write "six hundred thousand, fifty-four" in standard form.

2. _____

Simplify.

3. $66 + 57$

3. _____

4. $800 - 707$

4. _____

5. $194 \times 32$

5. _____

6. $19912 \div 31$

6. _____

7. $3^3 \cdot 12^1$

7. _____

8. $\sqrt{36} \cdot \sqrt{100}$

8. _____

9. $0 \div 32$

9. _____

10. $3422 \div 1$

10. _____

11. $(7^2 - 9) \div 4$

11. _____

12. $13 + 26 \div 13 - 3$

12. _____

13. $\dfrac{2 \cdot 12 - 1 \cdot \sqrt{100}}{7(\sqrt{25} - 2^2)}$

13. _____

14. $2[(7-2)^2 - (7-4)^2 + 7 \cdot 5 \cdot 4]$

14. _____

15. $16452 \times 100$

15. _____

16. Round 5,877 to the nearest ten.

16. _____

Estimate each sum or difference by rounding each number to the nearest hundred.

17. $458 + 5690 + 3812$

17. _____

18. $4587 - 3487$

18. _____

# Chapter 1 Test – Form D (cont'd)

Solve.

**19.** Subtract 13 from 109.

**19.** _____

**20.** The total cost of a washing machine is $266 when paid for in monthly installments of $19 each. How many months will it take to pay off the washing machine?

**20.** _____

**21.** Alice bought a new car listed for $28,056. She received a manager's discount of $1699. What final price did she pay?

**21.** _____

**22.** Marcus is planning a party for 12 people. The cost of a restaurant is $21 per person. How much money will Marcus spend?

**22.** _____

**23.** Jessica buys 5 shirts for $24 each and 4 sweaters for $33 each. Find the total cost for these items.

**23.** _____

**24.** In 2004 there were 43,556 people living in a town. The following year 362 people moved into the town. What is the new population?

**24.** _____

**25.** Find the area and perimeter of the figure.

**25.** _____

_____

**23 in.**

**23 in.**
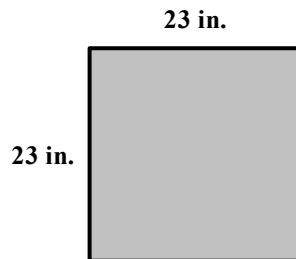
# Chapter 1 Test – Form E

Name:

Date:

**1.** Write 3,046 in words.
   **a.** three thousand, four hundred six   **b.** three thousand, forty-six
   **c.** thirty thousand, four hundred six   **d.** three thousand, four hundred sixty

**2.** Write "three hundred five thousand, one hundred" in standard form.
   **a.** 351,000   **b.** 305,010   **c.** 350,100   **d.** 305,100

Simplify.

**3.** $75 + 18$
   **a.** 88   **b.** 78   **c.** 83   **d.** 93

**4.** $400 - 244$
   **a.** 156   **b.** 165   **c.** 256   **d.** 265

**5.** $112 \times 90$
   **a.** 1,088   **b.** 10,080   **c.** 998   **d.** 9,980

**6.** $71,426 \div 91$
   **a.** 784 R:72   **b.** 784 R:82   **c.** 782 R:72   **d.** 782 R:82

**7.** $2^4 \cdot 2^1$
   **a.** 50   **b.** 1000   **c.** 250   **d.** 32

**8.** $\sqrt{9} \cdot \sqrt{100}$
   **a.** 900   **b.** 300   **c.** 30   **d.** 90

**9.** $0 \div 98$
   **a.** 0   **b.** 1   **c.** 98   **d.** undefined

**10.** $347 \div 347$
   **a.** 0   **b.** 1   **c.** 347   **d.** undefined

**11.** $7(9 - 5)$
   **a.** 63   **b.** 58   **c.** 28   **d.** 35

**12.** $26 - (42 \div 7) + 15$
   **a.** 27   **b.** 17   **c.** 35   **d.** 22

**13.** $\dfrac{36 \div 4 \cdot 2}{(\sqrt{16} - \sqrt{4})^2 + 5}$
   **a.** 4   **b.** 1   **c.** 2   **d.** 3

# Chapter 1 Test – Form E (cont'd)

**14.** $4[(22-20)^2 + (17-12)^2 - 20]$
    **a.** 4                 **b.** 96                 **c.** 32                 **d.** 36

**15.** $3412 \times 1000$
    **a.** 3,412,000           **b.** 34,120           **c.** 341,200           **d.** 34,120,000

**16.** Round 51,279 to the nearest thousand.
    **a.** 51,000           **b.** 52,000           **c.** 51,300           **d.** 51,200

Estimate each sum or difference by rounding each number to the nearest hundred.

**17.** $1456 + 4572 + 1072$
    **a.** 7,000             **b.** 7,300           **c.** 7,200           **d.** 7,100

**18.** $7193 - 1251$
    **a.** 5800              **b.** 5900            **c.** 6000            **d.** 6100

Solve.

**19.** Subtract 12 from 103.
    **a.** 81                **b.** 101            **c.** 71             **d.** 91

**20.** Carol Marcus and Tom Henderson are paying off a loan of $3492. Their monthly payment is $97. How many months will it take them to pay off the loan?
    **a.** 36 months        **b.** 30 months        **c.** 48 months        **d.** 40 months

**21.** Alex had $799 and gave his friend $65. How much money did Alex have left?
    **a.** $634            **b.** $734           **c.** $744           **d.** $746

**22.** A carton can hold 16 electric mixers packed for shipping. A factory shipped 25 cartons one day. How many mixers did it ship?
    **a.** 320 mixers        **b.** 400 mixers        **c.** 41 mixers         **d.** 360 mixers

**23.** A group of 2 adults and 2 children went to the movies. Each adult's ticket cost $9 and each child's ticket cost $6. How much money total did the tickets cost?
    **a.** $30             **b.** $15            **c.** $18            **d.** $12

**24.** Tonya earns $1185 per month plus $450 in tips. What is her total income per month?
    **a.** $1635          **b.** $1645          **c.** $1535          **d.** $1365

**25.** Find the perimeter of the figure.
    **a.** 124 feet          **b.** 62 feet          **c.** 484 feet          **d.** 56 feet

14 ft

14 ft
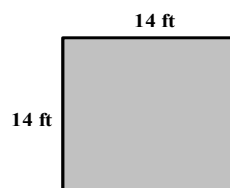
# Chapter 1 Test – Form F

Name:

Date:

**1.** Write 74,605 in words.
   **a.** seventy-four thousand, six hundred five      **b.** seventy-four thousand, six hundred fifty
   **c.** seven hundred forty-six thousand, five       **d.** seventy-four thousand, sixty-five

**2.** Write "thirty-eight thousand, fifteen" in standard form.
   **a.** 380,015          **b.** 38,150          **c.** 38,015          **d.** 380,150

Simplify.

**3.** $66 + 225$
   a. 265          **b.** 281          **c.** 291          **d.** 292

**4.** $700 - 451$
   **a.** 249          **b.** 241          **c.** 259          **d.** 349

**5.** $192 \times 80$
   **a.** 15,260          **b.** 1,526          **c.** 1,536          **d.** 15,360

**6.** $53,941 \div 68$
   **a.** 791  R:27          **b.** 791, R:17          **c.** 793 R: 27          **d.** 793 R:17

**7.** $4^3 \cdot 2^1$
   **a.** 24          **b.** 128          **c.** 348          **d.** 64

**8.** $\sqrt{100} \cdot \sqrt{25}$
   **a.** 50          **b.** 2500          **c.** 500          **d.** 250

**9.** $0 \div 37$
   **a.** 81          **b.** 27          **c.** 0          **d.** undefined

**10.** $812 \div 1$
   **a.** 1          **b.** 812          **c.** 0          **d.** undefined

**11.** $12(4^2 - 4)$
   **a.** 140          **b.** 144          **c.** 244          **d.** 114

**12.** $23 - 35 \div 7 + 4 \cdot 4$
   **a.** 44          **b.** 24          **c.** 43          **d.** 32

**13.** $\dfrac{5 \cdot 4 - 2 \cdot \sqrt{9}}{2(\sqrt{25} - 2^2)}$
   **a.** 7          **b.** 4          **c.** 1          **d.** 6