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.** _____

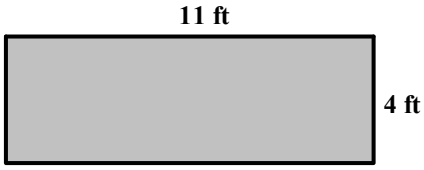
9. Use the Distributive Property to rewrite the following expression.
43(34 + 23) **9.** _____

10. Multiply: 213×11 **10.** _____

11. Multiply: $6231 \cdot 100$ **11.** _____

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

_____



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. $\frac{1476}{123}$ **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.** _____

$$\begin{array}{r} 567 \\ 356 \\ 1192 \\ +\ \ 134 \\ \hline \end{array}$$

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.** _____

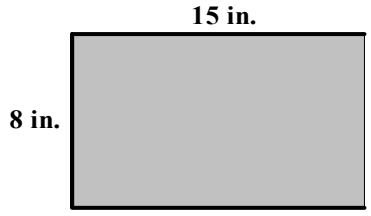
11. Multiply: $7,240 \cdot 1000$ **11.** _____

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.** _____

_____



Chapter 1 PreTest – Form B (cont'd)

Divide and then check by multiplying.

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

16. $\frac{1352}{13}$ **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. 321×21 **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.** _____

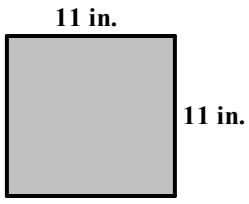
22. James earns $340 per week. What is his total income in 7 weeks? **22.** _____

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.** _____

_____



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. 456×234 **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.** _____

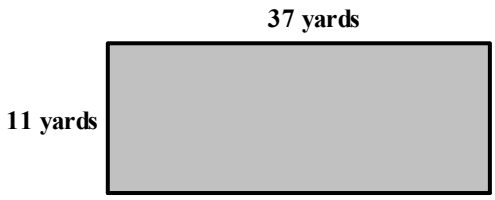
22. James earns $440 per week. What is his total income in 8 weeks? **22.** _____

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.** _____

_____



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. 342×23 **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. 1335×1000 **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.** _____

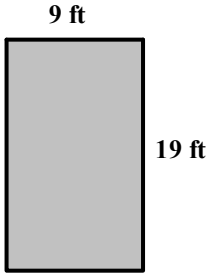
22. A store received 21 boxes of shampoo with 32 bottles of shampoo in each. How many bottles of shampoo did it receive in all? **22.** _____

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.** _____

_____



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. 194×32 **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. 16452×100 **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.** _____

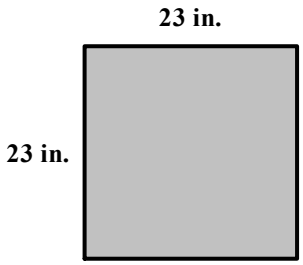
22. Marcus is planning a party for 12 people. The cost of a restaurant is $21 per person. How much money will Marcus spend? **22.** _____

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.** _____

_____



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. 112×90
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

14. $4[(22-20)^2+(17-12)^2-20]$

a. 4 **b.** 96 **c.** 32 **d.** 36

15. 3412×1000

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?

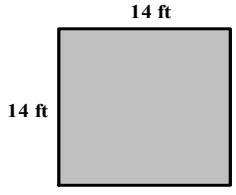
a. $30 **b.** $15 **c.** $18 **d.** $12

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



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. 192×80
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