Place Value System Whole Numbers

Write the value of the underlined digit

1) 37,4<u>6</u>2,117 _____

2) 81<u>5</u>,392,005 _____

Write the number using words

3) 45, 872 _____

4) 102, 056 _____

Use < > to compare

5) 104, 430 _____ 104, 292

6) 56, 329 _____ 51, 845

7) Order the numbers from least to greatest 4,801 4,299 4,086 493

_____

Round each number to the nearest tens

8) 72 _____

9) 157_____

10) 3246 _____

Round each number to the nearest hundreds

11) 723 _____

12) 3,782 _____

13) 12, 619 _____

Round each number to the nearest thousand

14) 7, 382 _____

15) 106, 974_____

16) 5,372, 029_____

Operations with Whole Numbers

Find the product of each problem.

1. 326 x 5

2. 18 x 12

3. 1,420 x 25

4. 410 x 215

Find the quotient for each problem

5. 8346 ÷ 3

6. 1,287 ÷ 9

7. 420 ÷ 12

8. 5,345 ÷ 10

9. 4,328 ÷ 8

10. 2,304 ÷ 24

Decimals

1. Write in order from least to greatest 8.71 8.352 8.09 8.6

_____

2. Identify the place value of the underlined digit 4.7<u>2</u>3 _____

3. Identify the place value of the underlined digit 12. 06<u>4</u>

Perform the following operations involving decimals.

4. 1.637 + 2.5

5. 25.08 + 4.256

6. 75.4 x 5

7. 1.63 x 2.4

8. 0.005 x 80

9. 0.6 x 1.73

10. 6.18 ÷ 6

11. 34.65 ÷ 9

12. 20.72 ÷ 8

13. 2.16 ÷ 3

Fractions

Write each fraction in simplest form

1. $\frac{6}{10}$ 2. $\frac{5}{15}$ 3. $\frac{8}{12}$ 4. $\frac{33}{121}$

Write each mixed number as an improper fraction

5. $1\frac{1}{8}$ 6. $2\frac{3}{4}$ 7. $5\frac{2}{3}$ 8. $4\frac{4}{7}$

Write each improper fraction as a mixed number

9. $\frac{12}{7}$ 10. $\frac{21}{4}$ 11. $\frac{30}{7}$ 12. $\frac{23}{6}$

Add or subtract. Write you answer in simplest form.

13. $\frac{4}{7} + \frac{2}{7}$ 14. $\frac{3}{8} + \frac{3}{8}$ 15. $\frac{9}{10} - \frac{5}{10}$

Hint don't forget the common denominator for the following problems.

16. $\frac{2}{5} + \frac{3}{10}$ 17. $\frac{1}{4} + \frac{5}{8}$ 18. $3\frac{1}{7} + 2\frac{1}{2}$

19. $\frac{7}{9} - \frac{1}{3}$ 20. $\frac{9}{10} - \frac{2}{5}$ 21. $6\frac{4}{5} - 2\frac{3}{10}$

Fractions Part II

Find the product or quotient. Write your answer in simplest form.

22. $\frac{5}{6} \times \frac{1}{5}$

23. $\frac{4}{9} \times \frac{9}{10}$

24. $1\frac{1}{3} \times 2\frac{3}{4}$

Hint ….when you divide fractions you must find the **reciprocal (flip the 2nd fraction)**

25. $\frac{7}{10} \div \frac{1}{5}$

26. $\frac{11}{12} \div \frac{2}{9}$

27. $3\frac{1}{2} \div 1\frac{1}{8}$

Number Theory

1. List all factors of 48 _____
2. List the first five multiples of 6 _____
3. Find the GCF (greatest common factor) of 16 and 24 _____
4. Find the LCM (least common multiple) of 8 and 10_____
5. Which of the following numbers is prime? 6, 10, 13, 18 _____
6. Write the rule for the pattern 6, 16 , 26, 36 , ……

   _____

7. Write the rule for the pattern 5, 21, 85, 341,…..

   _____

PreAlgebra Concepts

Write the following word phrases using numbers and mathematical symbols

1. Twenty added to twelve_____
2. The difference of eight and four_____
3. The product of nine and four_____
4. The quotient of ten and five_____

Simplify the following.

5. $3 + 2 \times 8 \div 4$
6. $48 \div (10 - 4) + 2$

Unit Conversion

7. 10 days = _____ hours
8. 420 min = _____ hours
9. 7 feet = _____ inches
10. 12 yards = _____feet
11. 200 cm = _____m
12. 3 Liters = _____ml
13. 5 lb = _____oz
14. 8 cups = _____pt

Geometry

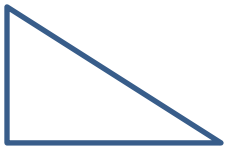
Identify the following shapes or three dimensional figures.

1. 

_____

2. 

_____

3. 

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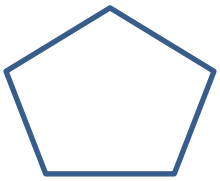
4. 

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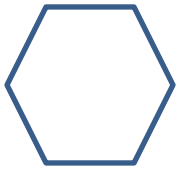
5. 

_____

6. 

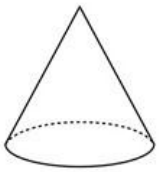
_____

7. 

_____

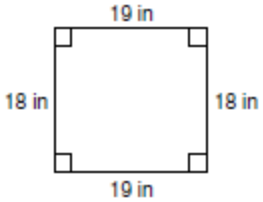
8. 

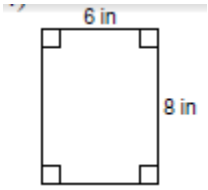
_____

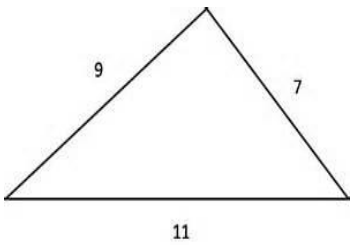
9. 

_____

Find the Perimeter of each shape.

10. 

11. 

12. 

Geometry Part II

Formulas

Rectangle A = lw

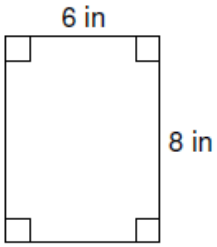
Square A = lw

Parallelogram A =bh

Triangle A = $\frac{b\ x\ h}{2}$

Find the Area of Each Figure

1.



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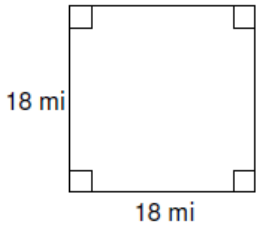

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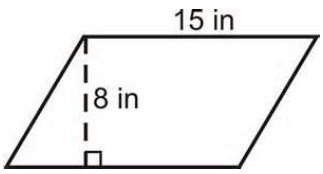
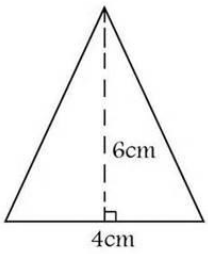


5.



6.

All angles in a triangle add to 180°

Find the unknown angle measure in each triangle.