Name _____ Time Spent Working _____

List all the factors of each number.

1. 12 **2. 45**

Tell whether each number is prime or composite.

3. 95 **4. 17**

Tell whether the second multiple is a multiple of the first.

5. 2; 71 **6. 3; 10**

Write the prime factorization. Use exponents when possible.

7. 78

8. Find the least common multiple and the greatest common factor for each pair of numbers:

a. 8 and 12 **b. 7 and 15**

Write each mixed number as an improper fraction.

1. 1 ⅞

Write each decimal as a fraction.

2. 0.6 **3. 1.25**

Write each improper fraction as a mixed number in simplest form.

4. 5/2

Write each fraction as a decimal.

5. 3/50

Order from least to greatest. (Draw a picture if needed)

6. ¼, ⅝, ⅜

Compare each pair of fractions. Use <, >, or =. Fill in the box.

8. ⅞ 3/10 **9. 6/12 4/8**

Write each of the decimal numbers in words.

1. **8.0552**

Label the unlabeled marks with decimal numbers.

2. _____

.15 **.17**

3. Fill in the missing parts of the table.

Fraction	**Decimal**	**Percent**
⅜		
	0.88	
		35%
1 ¼		
	0.625	
		275%

Note: Please do NOT use a calculator on this units work!

1. **Find each quotient. Show your strategy!**

   a. 12 ÷ 1/2 **b. 12 ÷ 1/3** **c. ⅝ ÷ 1/3**

2. Estimate each sum. Use the benchmarks 0, ½, and 1. (Do not actually solve).

a. 5/16 + ⅝ **b. 1/10 + ½**

Find each sum or difference. Show your strategy!

3. 7 ⅓ + 5 11/12 **4. 8 ⅓ - 2 ⅜**

Find each product. Show your strategy! (Cross simplify???)

5. ⅔ of ¼ **6. ⅞ x ½** **7. ¼ of ⅞** **8. ⅝ x ⅞**

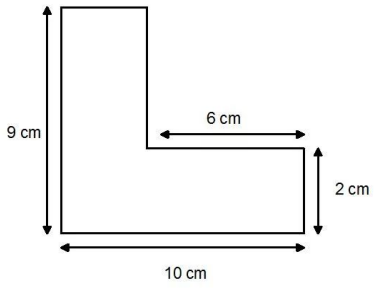
Find the perimeter and area of each figure. Show formula work!

1.

8 cm

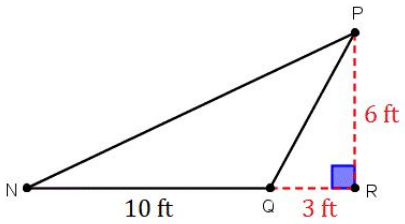
15 cm

2.



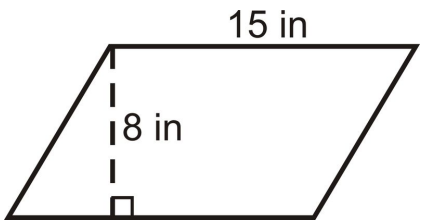
Find the area of each triangle. Show formula work!

1.



Find the area of each parallelogram below. Show formula work!

2.



1 a. A student council wants to throw a party for students. They decide to have a breakfast catered and they compare bids of two companies. The catering Crew charges $8 per student. Urbandale Catering Company charges a set fee of $160 plus $6 per student. Make tables that show costs for each company in cases where 20, 40, 60, 80, 100, and 120 students would attend.

CATERING CREW

URBANDALE CATERING COMPANY

B. Plot the (*number of students, catering costs*) on a graph. Use different colors or plotting symbols for points to show the two catering companies.

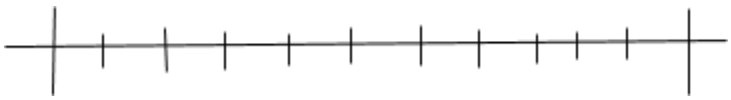
First estimate. Then find each sum or difference. Show your strategy!

1. 0.6+5.8

2. 3.4- 0.972

Order each set of decimals on a number line.

3. 0.26, 0.3, 0.5, 0.59, 0.7



0 **1.0**

Find each product. Show your strategy!

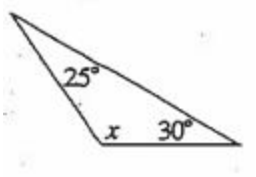
	5.342		**6.4**
x	**13**	**x**	**0.09**

Find each quotient. Show your strategy!

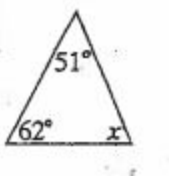
0.4 1.08 **9 21.6**

Find the measure of each angle labeled *x*.

1.

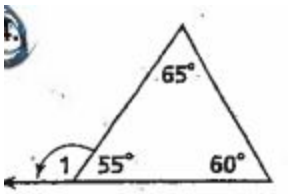


2.



Find the measure of angle 1 in each figure.

3.

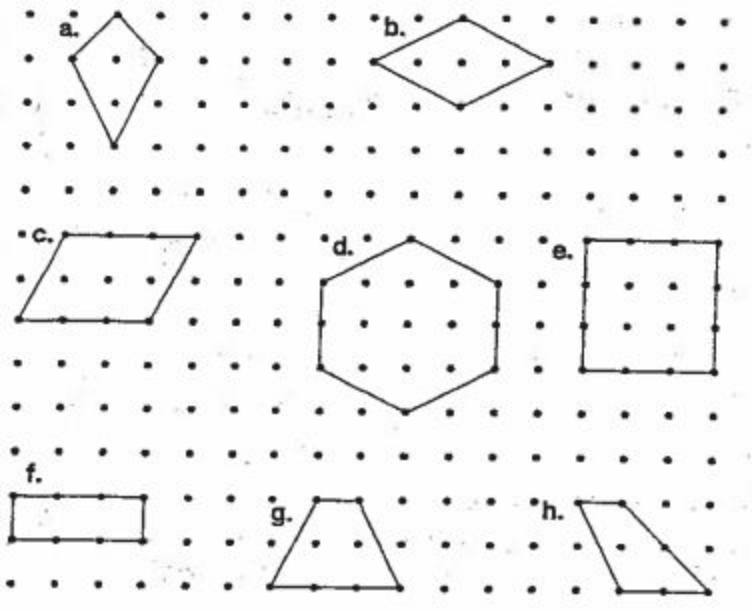


4.

Use the diagram below to identify all the polygons for each name. (List as many letters as there are that fit the name)

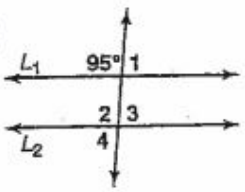
5. Quadrilateral **6. Parallelogram** **7. Rhombus**

8. Rectangle **9. Square** **10. Trapezoid**



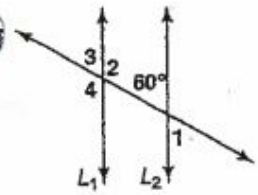
In each diagram below, lines L1 and L2 are parallel lines cut by a transversal. Find the measure of each numbered angle.

15.



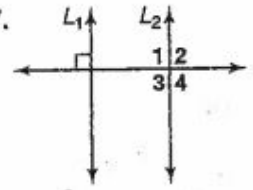
m∠1 = ____
m∠2 = ____
m∠3 = ____
m∠4 = ____

16.



m∠1 = ____
m∠2 = ____
m∠3 = ____
m∠4 = ____

17.



m∠1 = ____
m∠2 = ____
m∠3 = ____
m∠4 = ____