

- 1) Grab all three worksheets on the rolling table.
- 2) Label you TOC accordingly
 - 75 - ACT prep DO NOW 10/30
 - 76 - Unit 5 WWK
 - 77 - U5 Classifying Triangles
 - 78 - U5 Classifying Practice
- 3) Copy the WWK and Notes from the following slides

Oct 30-10:43 AM

This is a worksheet you picked up. Show work and answer.




1. Shannon walked $1\frac{2}{3}$ miles on Wednesday and $2\frac{3}{5}$ miles on Thursday. What was the total distance, in miles, Shannon walked during those 2 days?
 - A. $3\frac{5}{8}$
 - B. $3\frac{2}{5}$
 - C. $4\frac{4}{15}$ $5 \cdot \frac{2}{3} + \frac{3}{5} \cdot \frac{3}{3} = 4\frac{4}{15}$
 - D. $4\frac{1}{3}$
 - E. $5\frac{1}{3}$
2. $4^3 \times 3y^2 \times 2y^2$ is equivalent to:
 - F. $9x^3y^4$
 - G. $9x^3y^4$ $4 \times 3 \times 2 = 24$
 - H. $24x^3y^4$ $x^3 \cdot x^1 \cdot x^1 = x^5$
 - J. $24x^5y^4$ $y^2 \cdot y^2 = y^4$
 - K. $24x^3y^6$
3. Mr. Wilk is a high school math teacher whose salary is \$33,660 for this school year, which has 180 days. In Mr. Wilk's school district, substitute teachers are paid \$85 per day. If Mr. Wilk takes a day off without pay and a substitute teacher is paid to teach his classes, how much less does the school district pay in salary by paying a substitute teacher instead of Mr. Wilk for that day?
 - A. \$57
 - B. \$85
 - C. \$102
 - D. \$114
 - E. \$187

$$\frac{33660}{180} = 187$$

$$\begin{array}{r} 187 \\ - 85 \\ \hline 102 \end{array}$$
4. A student has earned the following scores on four 100-point tests this marking period: 63, 72, 88, and 91. What score must the student earn on the fifth and final 100-point test of the marking period to earn an average test grade of 80 for the five tests?
 - F. 79
 - G. 86
 - H. 89
 - I. 94
 - K. The student cannot earn an average of 80.

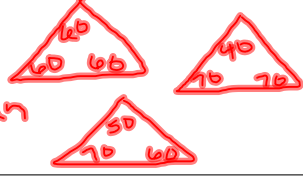
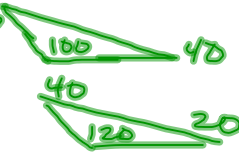
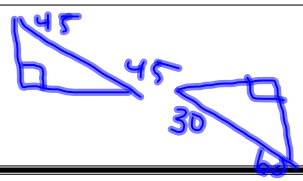
$$\frac{63+72+88+91+89}{5} = \frac{403}{5} = 80.6$$

Oct 30-9:07 AM

Keyword	Definition	Illustration
Triangle	a closed, 3 sided polygon whose interior angles add to = 180°	
Equiangular	all angles inside a polygon are \cong to each other (for a Δ , has to be 60-60-60)	
Equilateral	all sides of a polygon are \cong to each other	

Oct 30-9:05 AM

TOC pg 77- U5 Classifying Triangles

Classifying Triangles		
Classifying by ANGLES	<u>ACUTE</u> all 3 angles are less than 90° 	The 3 angles in a triangle will ALWAYS add up to be _____
	<u>OBTUSE</u> (40) one angle is larger than 90° 	
	<u>RIGHT</u> one angle is exactly 90° 	Every angle has _____ names: one for _____ and one for _____

Oct 30-9:07 AM

Classifying by SIDES

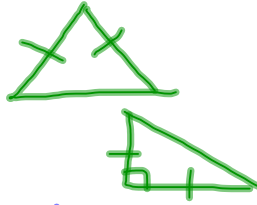
SCALED

all 3 sides are different lengths



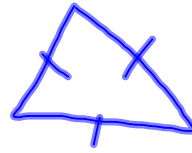
ISOSCELES

any 2 sides are \cong in length



EQUILATERAL

all 3 sides are \cong !
*ONLY for an acute Δ !



Oct 30-9:08 AM

The 3 angles in a triangle will ALWAYS add up to be 180°.

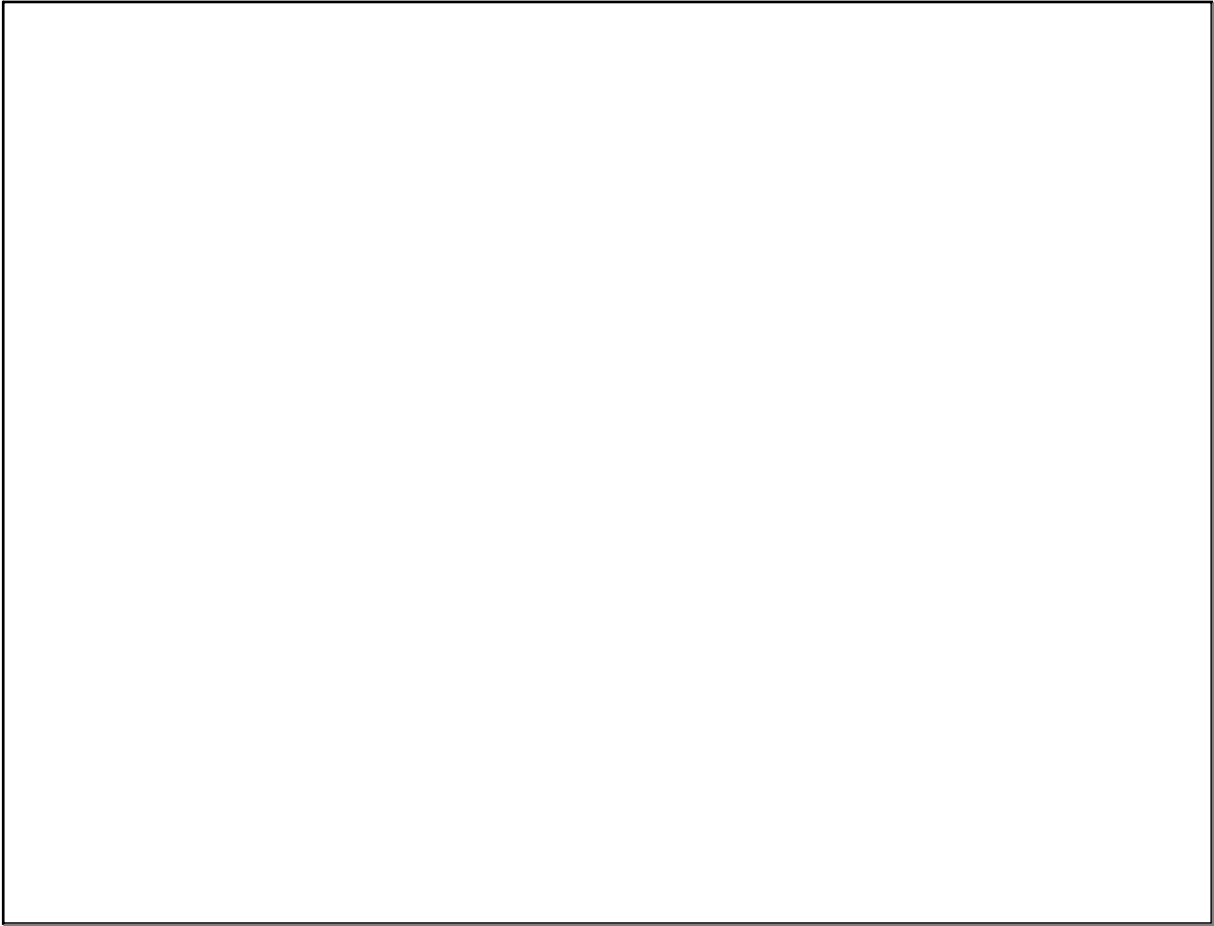
Every angle has 2 names:
one for angles
and one for sides.

The number of congruent sides is the same as the number of congruent angles.

2 congruent sides or angles is an isosceles triangle

3 congruent sides and angles is a equilateral triangle

Oct 30-9:08 AM



Oct 30-9:10 AM