Unit 9 Study Guide: CC2 Ch 8 & CC3 Ch 9.1

Box & Whisker Plot

1) The following are the weights of football players: 220, 225, 190, 193, 194, 250, 235, 240, 200.

a) Make a box plot for this set of data.

b) What is the IQR of the data?

c) What percent of players weigh inside the IQR?

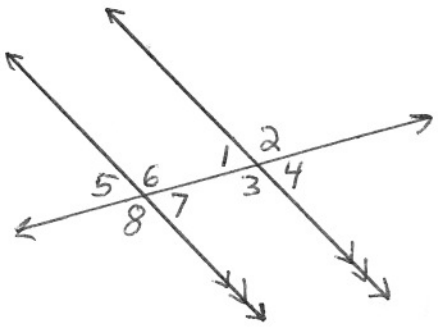
2) The following are the number of days poppies take to germinate: 5, 7, 14, 10, 6, 8, 4, 5, 4, 7, 8, 6

a) Make a box plot for this set of data.

b) What is the IQR of the data?

c) What percent of poppies take longer than the Q3 to sprout?

Types of Angles



$\angle 6$ & $\angle 8$ are _____ angles.

$\angle 1$ & $\angle 7$ are _____ angles.

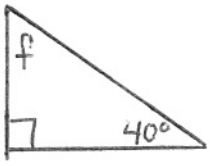
$\angle 2$ & $\angle 8$ are _____ angles.

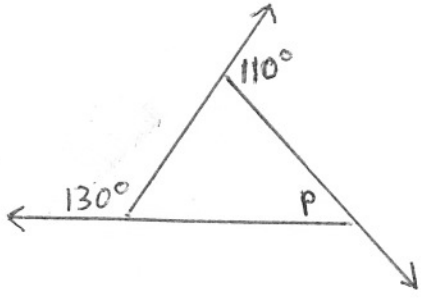
$\angle 3$ & $\angle 4$ are _____ angles.

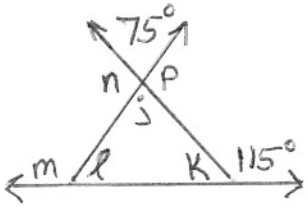
$\angle 1$ & $\angle 4$ are _____ angles.

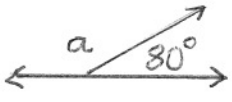
$\angle 1$ & $\angle 5$ are _____ angles.

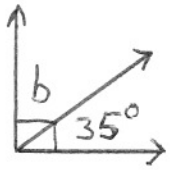
Finding Angle Measure

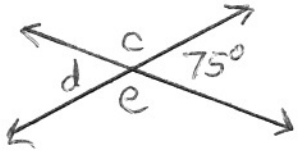






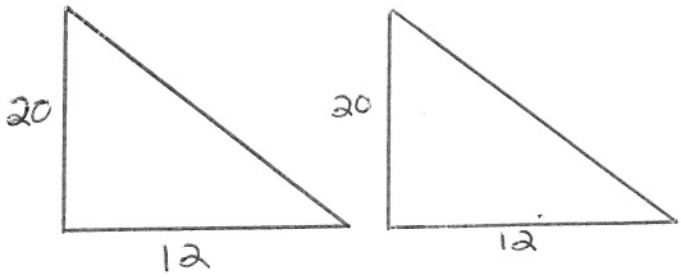


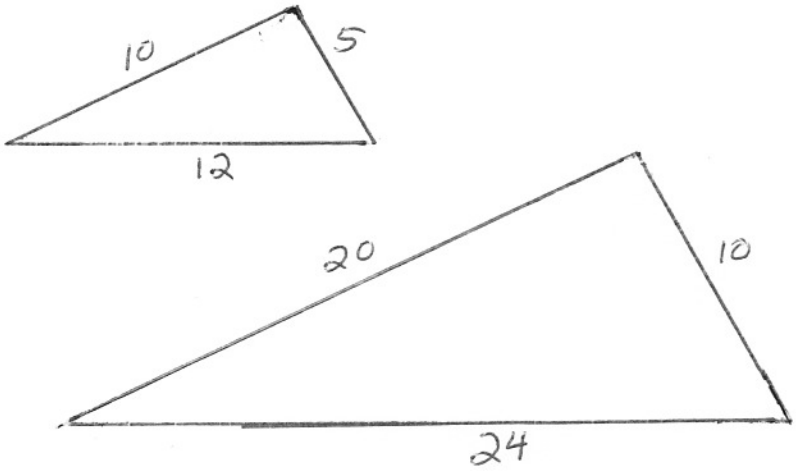




Congruent & Similar Figures

Congruent, Similar, or Neither?





Review

Burt's chickens lay 40% fewer eggs than Berry's chickens. If Berry's chickens lay 50 eggs per week, how many do Burt's lay?

Sam bought a jacket, which was ¼ off the original price. If Sam paid $18.75, what was the original price?

Becky buys a pair of shoes that are 40% off the original price. If she paid $15, what was the original price?

My chickens ate 40% of a 25lb bag of chicken feed last month. This month, they ate 70% of the remaining chicken feed. How much is left now?

What is the slope of a line that goes through $(-3,2)$ and $(6,4)$?

What is the slope of a line that goes through $(0,4)$ and $(3,-2)$?

What is the slope of a line that goes through $(5,4)$ and $(6,2)$?

What is the slope of a line that goes through $(2,5)$ and $(3,-2)$?

Simplify: $x^2y^6 \cdot x^3y^{-2}$

Simplify: $a^6b^9 \cdot a^2b^5$

Simplify: $a^3b^7 \cdot a^0b^{-3}$

Simplify: $(x^3y^4z^6)^7$

Simplify: $(x^4y^6z^9)^3$

Simplify: $(x^3y^2z^5)^0$

Solve for the variable

$x-2(3x-4)=x+2-6$

$x-(x+2)=x+3-7$

$\frac{2x}{6}+\frac{2x}{4}+3=-1$

$\frac{3x}{5}+\frac{2x}{4}+2=6$

Simplify: $3(2+1)\div 3(3)-3^2$

Simplify: $-2^3+5\div 2(-2)$