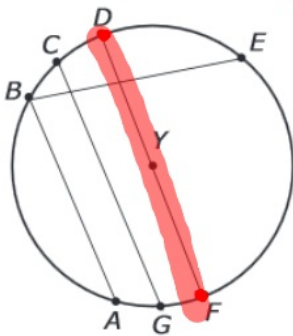


January 21, 2015 ^{5th}_{6th}

Starter

1. Point Y is the center of the circle.

DF
FD



DYF
FYD

Which line segment shows the diameter of the circle?

2. Complete the sequence.

0.120, 0.230, 0.340, 0.450

3. Write the number that balances the equation.

$$24 + (3 + 6) = (24 + 3) + \underline{6}$$

Associative Property

4. Which of these values is the least?

-21, 63, -51, $\frac{3}{4}$

5. Solve for the value of x.

$$9x + 2 = 65$$

$$\underline{-2} \quad \underline{-2}$$

$$9x = 63$$

$$\underline{\frac{9}{9}} \quad \underline{\frac{63}{9}}$$

$$x = 7$$

Fontdiner,

1/21 Real-Life Uses for Proportions - Cost and Exchange Rate

Three bunches of cilantro cost \$5.

How many bunches can you buy for \$10?



$$\begin{array}{l} \# \\ \$ \end{array} \quad \frac{3}{5} = \frac{x}{10}$$

6 bunches = x

If you can buy three mangos for \$4, then
how many can you buy with \$12?

$$\begin{array}{r} \# \quad 3 \cdot 3 = x \\ \$ \quad 4 \cdot 3 = 12 \end{array}$$

$$9 = x$$

9 mangos



The money used in Switzerland is called the Franc. The Exchange rate is \$2 for 1 Franc. Find how many Francs you would receive if you exchanged \$25.



$$\begin{array}{l} \$ 25 \cdot 2 \\ \hline \text{Franc } 25 \cdot 1 \end{array} = \frac{25 \cdot 2}{x \cdot 2}$$

$$\frac{50}{25} = \frac{50}{2x}$$

$$\begin{array}{l} 25 = \frac{x}{2} \\ \frac{25}{2} = x \\ 12.5 \text{ Francs} = x \end{array}$$

The currency in Saudi Arabia is the Riyal.
The exchange rate is about \$3 to 1 Riyal.
At this rate, how many dollars would you
get if you exchanged 10 Riyals?

$$\begin{array}{r} \$ \quad 3 \cdot 10 = X \\ \hline R \quad 1 \cdot 10 = 10 \end{array}$$
$$\$30 = X$$



Homework

Lilac WS 4

Due Thursday