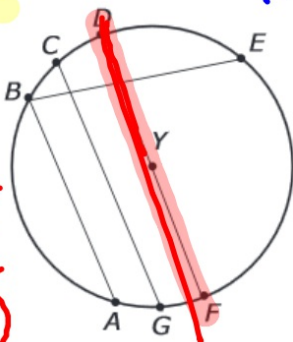


January 21, 2015 ^{5th} _{6th} Starter

1. Point Y is the center of the circle.

DF
FD
DYF
FYD



10
15
 $\frac{2}{10} \cdot 4$
 $\frac{15}{3} = 5$
3 · 4

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, $\frac{3}{4}$

-51

5. Solve for the value of x.

$$9x + 2 = 65$$

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

$$9x = 63$$

$$\underline{\quad \quad 9 \quad 9}$$

$$x = 7$$

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?



$$\begin{array}{l} \text{How} \\ \text{many} \end{array} \frac{3 \cdot 2}{5 \cdot 2} = \frac{r}{10}$$

Note: The numbers 3, 2, 5, and 2 in the fraction are highlighted in pink in the original image.

$$\frac{6}{10} = \frac{r}{10}$$

$$6 = r$$

bunches

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

$$\begin{array}{r} \# \quad 3 \cdot 3 \quad m \quad \# \\ \hline \$ \quad 4 \cdot 3 \quad 12 \quad \$ \end{array}$$

$$q = m$$

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.



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

$$\text{or } \frac{2}{1} = \frac{25}{x}$$

$$\begin{aligned} \frac{25}{2} &= \frac{2x}{2} \\ 12.5 &= x \\ \text{Francs} \end{aligned}$$

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?

$$\begin{array}{r} \$ \leftarrow \frac{3 \cdot 10}{1 \cdot 10} = \frac{r}{10} \\ \text{Riyals} \end{array}$$
$$\$30 = r$$



Homework

Lilac WS4

Due Thursday