



Warm Up Grade 8

Date:

Use Mental Math

1) 35% of 2000

$$10\% \text{ of } 2000 = 200$$

$$\times 3 \quad \times 3$$

$$30\% \text{ of } 2000 = 600$$

$$10\% \text{ of } 2000 = 200$$

$$\downarrow \div 2 \quad \downarrow \div 2$$

$$5\% \text{ of } 2000 = 100$$

$$35\% \text{ of } 2000 = 700$$

2) 15% of 440

$$10\% \text{ of } 440 = 44$$

$$5\% \text{ of } 440 = 22$$

$$15\% \text{ of } 440 = 66$$

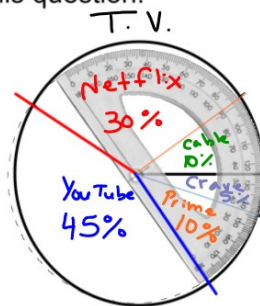
3) A group of adults were asked this question:

"How do you regularly watch entertainment?"

Here is what the adults said.

Category	Number of adults
Cable	4
Netflix	12
Youtube	18
Prime	4
Crave	2

Total 40

Cable

$$\frac{4}{40} = 0.1 = 10\%$$

Sector

$$10\% \text{ of Circle}$$

$$= 0.10 \times 360^\circ$$

$$= 36^\circ$$

Youtube

$$\frac{18}{40} = 0.45 = 45\%$$

Sector

$$45\% \text{ of Circle}$$

$$0.45 \times 360^\circ$$

$$162^\circ$$

Crave

$$\frac{2}{40} = 0.05 = 5\%$$

Sector

$$5\% \text{ of Circle}$$

$$0.05 \times 360^\circ$$

$$18^\circ$$

Netflix

$$\frac{12}{40} = 0.30 = 30\%$$

Sector

$$30\% \text{ of Circle}$$

$$0.30 \times 360^\circ$$

$$= 108^\circ$$

Prime

$$\frac{4}{40} = 0.1 = 10\%$$

Sector

$$10\% \text{ of Circle}$$

$$0.10 \times 360^\circ$$

$$36^\circ$$

Class/Homework

Practice Questions

Must have %

WS164 # 1,
#2
3
#4 }

$$\begin{array}{l} \% \times \text{Circle}^\circ \\ \downarrow \\ \text{decimal} \times 360^\circ = \frac{\quad}{\text{you draw}} \end{array}$$

CALCULATE SECTOR ANGLE & Use protractor

Handed this out on FRIDAY

Jack, Janna, Gabe & Rylan's are on the board