

WORK THE FOLLOWING AS PROBLEMS

$$1) \frac{28,311 \text{ reg. voter}}{14 \text{ polling places}} = \frac{34,892}{x} \quad \text{or} \quad \frac{28,311}{14} \approx 2022 \text{ people polling}$$

$$14(34,892) = 28,311x$$

$$\frac{488,488}{28,311} = \frac{28,311x}{28,311}$$

$$17.3 \approx 17 \text{ polling places}$$

$$x = 17.3 \text{ so } 17 \text{ polling places}$$

$$2.) \frac{12 \text{ ft}}{3.281 \text{ ft}} = \frac{1 \text{ m}}{3.281 \text{ ft}} = 3.66 \text{ m}$$

$$2. \frac{6 \text{ m}}{3.281 \text{ ft}} = \frac{12 \text{ m}}{1 \text{ ft}} = 23.02 \text{ in}$$

$$3 \quad \frac{5 \text{ g}}{3.79 \text{ g}} = \frac{1 \text{ g}}{3.79 \text{ g}} = 18.95 \text{ g}$$

$$4. \frac{85 \text{ km}}{1000 \text{ m}} = \frac{1 \text{ km}}{3.281 \text{ ft}} = 1 \text{ m}$$

$$85 \text{ km} = 53$$

$$3) \text{ Let } d = \# \text{ dancers in the company}$$

$$\frac{1}{2}d + 1 = 13$$

$$\frac{1}{2}d = 12$$

$$d = 24 \text{ dancers}$$