Math 6 Remote Learning Lesson 10 - Fractions, Decimals, Percents

Express each decimal as a percent.

Example

Method 1

$$0.12 = \frac{\boxed{12}}{100}$$

First, express the decimal as a fraction with a denominator of 100. Then rewrite the fraction as a percentage.

$$= \underline{\quad 12 \quad}\%$$

Method 2

$$0.12 = 0.12 \times \boxed{100}\%$$

$$= \underline{\quad 12 \quad}\%$$

$$100\% = \frac{100}{100} = 1$$
So, $0.12 \times 100\% = 0.12 \times 1$

10. 0.73

12. 0.02

11. 0.4

13. 5.01

Express each percent as a fraction in simplest form.

Example

$$41.8\% = \underline{\dfrac{41.8}{100}}$$

Express the decimal as a fraction.

$$= \underline{\dfrac{418}{1,000}}$$

Multiply the numerator and denominator by 10 to make the numerator a whole number.

$$= \underline{\dfrac{209}{500}}$$

Simplify.

21. 8.9%

22. 15.17%

23. 54.8%

Order the following values from least to greatest. Then represent and label each value on the number line.

| $\frac{7}{5}$ | 70% | 0.2 | 1.5 | $\frac{9}{10}$ |

Order: _____ _____ _____ _____ _____

0   1   2