

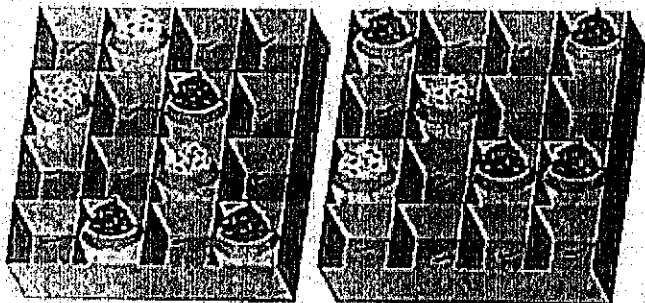
Name: _____

Date: _____

F&D&P&R quiz (v2) questions to be completed in a suggested time of 15 minutes. Solve.

V22

1. Use this picture to answer. MsT brought cupcakes to share with the grade 6's. At the end of class, two trays were partially full, as shown in the diagram below.



$$16 + 16 = 32$$

- a) What is the RATIO of chocolate cupcakes to white cupcakes? (reduce answer if possible)

$$7 : 5$$

- b) What FRACTION of cupcakes have been eaten? (reduce answer if possible)

$$\frac{20}{32} = \frac{10}{16} = \left(\frac{5}{8}\right)$$

- c) What is the RATIO of cupcakes not eaten to all the cupcakes eaten? (reduce answer if possible)

$$12 : 20 \quad \text{~~12:20~~} = \frac{6 \times 2}{10 \times 2} = \frac{12}{20} = \frac{6}{10} = \frac{3}{5} \quad \text{~~3:5~~}$$

2. CONVERT each to a percent.

$$0.40 = 40\%$$

3x8

$$\frac{24}{30} = \frac{8}{10} = 80\%$$

$$0.07 = 7\%$$

3. CONVERT each to a decimal.

$$\frac{2 \times 20}{5} = \frac{40}{100} = 0.40$$

$$\frac{24}{40}$$

1x3

$$\frac{3}{15} = \frac{1}{5} = 0.20$$

$$\frac{13 \times 5}{20} = \frac{65}{100} = 0.65$$

3x5

$$\frac{12}{16} = \frac{6}{8} = \frac{3}{4} = 0.75$$

$$\frac{20}{40} = \frac{2}{4} = 50\%$$

$$\frac{40}{1000} = 0.04$$

$$2 \times 8 \quad 5\% = 0.05$$

$$30\% = 0.30$$