

Name:

Date:

Math 6 F&D&P&R quiz (v20) Solve in 10 minutes or less.

Score:

/ 10

\*\*\*THERE ARE TWO SIDES TO THIS F&D&P&R SO THAT MsT could spread out the questions and give you lots of space to solve. Make sure you turn the page over to solve the questions on that side.

1) Write each as a percent (%).

NOT same!

0.9 = 90%

$\frac{40}{1000} = 4\%$

0.09 = 9%

$\frac{21}{30} = \frac{7}{10} = 70\%$

$\frac{10}{25} = 40\%$

$\frac{18}{24} = \frac{3}{4} = 75\%$

2) MsT has a bag of marbles and when she opened the bag she discovered that there were 4 green, 8 red, 2 yellow, and 6 purple marbles. What is the probability that if she closed her eyes and stuck her hand into this bag that she would pull-out a purple marble? Answer using a decimal.

total: 20

$\frac{6}{20} = 30\%$

0.3

Final answer:

3) Use chart to solve.

Science Topics and Number of Projects	
Topic	Number of Projects
Air and Aerodynamics	3
Flight	2
Sky Science	2
Trees and Forests	1
Evidence and Investigation	2

10

What % of the projects were FLIGHT?

20%

Solve these ratios (reduce each if possible)

a) sky science to trees and forest 2 : 1

type of ratio: part = part

b) evidence and investigation to all topics 2 : 10 = 1 : 5

type of ratio: part = whole

4) **CONVERT** to an IMPROPER FRACTION or a MIXED NUMBER.

$$^{20} \frac{23}{5} = 4 \frac{3}{5}$$

$$\begin{matrix} +2 \\ 7 \\ \times 6 \\ \hline \end{matrix} = \frac{44}{6}$$

5) You scored 36 out of 40 on a math test. What percent did you get?

$$\begin{array}{r} 9 \times 4 \\ 36 \\ \hline 40 \end{array} = \frac{9}{10}$$

FINAL ANSWER:

$$4 \times 10$$

$$90\%$$

6) **REDUCE** this fraction to lowest terms

$$\begin{array}{r} 6 \times 9 \\ 54 \\ \hline 72 \\ 8 \times 9 \end{array} = \frac{6}{8} = \frac{3}{4}$$

7) Compare these fractions from least to greatest.

$$^{12} \frac{15}{6} \quad 2 \frac{3}{6}$$

(3)

$$^{12} \frac{13}{4} \quad 3 \frac{1}{4}$$

(4)

$$^{12} \frac{13}{12} \quad 1 \frac{1}{12}$$

(1)

$$^4 \frac{4}{2} \quad 2 \frac{0}{2}$$

(2)

LEAST to GREATEST =

$$1 \frac{1}{12} < 2 < 2 \frac{3}{6} < 3 \frac{1}{4}$$

We are 'pulling up our socks' as we head further into term 3. What did you do to practice for this F&D&P&R? If you did not practice, please explain why you did not do any review. Answer in a sentence:

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