Math 6 F&D&P&R quiz (v21) Solve in 10 minutes or less. **Score:** _____ / 10

1. Write each fraction and decimal as a percent (%).

$\frac{8\times2}{16} \quad \frac{16}{32} = \frac{2}{4} \stackrel{\times25}{=} \frac{50}{100} = \boxed{50\%}$ 0.50 $\quad 8\times4$

$0.450 = \frac{450}{1000} = \boxed{45\%}$ 0.45

$\frac{50}{1000} = \boxed{5\%}$ 0.05

$\frac{12}{20} \stackrel{\times5}{=} \frac{60}{100} = \boxed{60\%} = 0.60$

$0.83 = \frac{83}{100} = \boxed{83\%}$ 0.83

$\frac{7\times4}{28} \quad \frac{28}{35} = \frac{4}{5} \quad 4\times20 = \boxed{80\%}$ 0.80 $\quad 7\times5$

$\frac{350}{1000} = \boxed{35\%}$ 0.35

$\frac{8\times6}{48} \quad \frac{48}{60} = \frac{8}{10} = \boxed{80\%}$ 0.80 $\quad 6\times10$

2. COMPARE these fractions (YOU MUST SHOW SOME WORK. YOU CANNOT JUST CIRCLE the largest fraction of the pair.)

$\frac{14}{6}$ $\qquad$ $\boxed{\frac{8\times2}{3} = \frac{16}{6}}$

$\frac{15}{24} \stackrel{\times3}{\longleftarrow} \frac{5}{8}$

$\boxed{\frac{2}{3} \stackrel{\times8}{=} \frac{16}{24}}$

3. Use chart to solve.

The Grade 6's Favourite Sports!	
SPORT	**Votes** (MsT made up these #s)
HORSEBACK RIDING	3
HOCKEY	3
BASEBALL	4 ←
FOOTBALL	1
SWIMMING	5
VOLLEYBALL	4

total 20

$\frac{4}{20} \times 5 = \frac{20}{100}$

a) What % of the students voted for BASEBALL? 20%

b) What is the ratio of swimming to all votes? (reduce if possible) $5:20$ type of ratio?   part : whole
$1:4$

4. ACCURATELY SKETCH this improper fraction. Convert it to a mixed number.

8

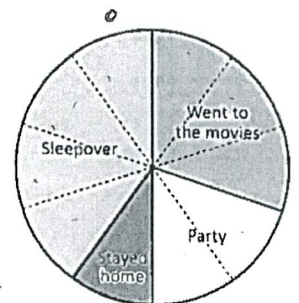$\frac{13}{8}$ cups of flour $= 1\frac{5}{8}$

5. Grade 6 students were asked what their favourite activity to do on a weekend.
Use this circle graph (look at the right) to answer.

a) What PERCENT of students chose 'went to the movies'? $\frac{3}{10} \stackrel{\times10}{=} 30\%$

b) What is the ratio of sleepover to party? (reduce if possible) $4:2 = 2:1$

Went to the movies
Sleepover
Party
Stayed home

total 10