

Name: \_\_\_\_\_

Date: \_\_\_\_\_

WELCOME TO YOUR THIRD F&D&P&R quiz! (3)

Math 6 F&D&P&R quiz (v15) Solve.

Score: \_\_\_\_\_

/ 10

1. Look at these circles. What percent (%) of circles are white?



total = 20

$\frac{5}{20} = \frac{5 \times 5}{20 \times 5} = \frac{25}{100} = 25\%$

2. REDUCE each fraction to lowest terms.

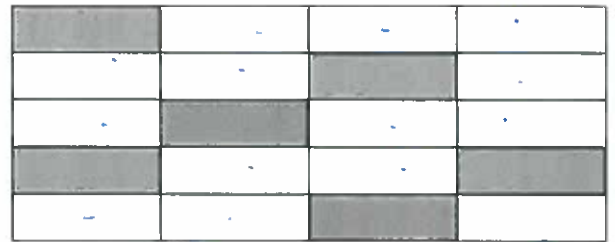
$\frac{14}{28} = \frac{1}{2}$

$\frac{42}{56} = \frac{6}{8} = \frac{3}{4}$

3. Look at the chart on the right.

a) What percent (%) of chart is shaded white?

$\frac{14}{20} \times 5 = 70\%$



total 20

b) What is ratio of white rectangles to grey rectangles? Reduce your answer if possible.

$14 : 6 = \frac{14}{6} = \frac{7}{3} = 7:3$

4. You scored 19 out of 25 on a science test. Then you scored 79% on your math test. Which test did you score a higher mark? Prove your answer.

$\begin{array}{r} 19 \\ \times 4 \\ \hline 76 \end{array}$

Sci

$\frac{19}{25} \times 4 = 76\%$

My higher score is MATH or SCIENCE (highlight your answer)

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

$\frac{21}{28} = \frac{3}{4} = 75\% = 0.75$

$\frac{9}{12} = \frac{3}{4} = 75\% = 0.75$

6. COMPARE each pair of fractions. Which fraction is largest in this pair? Circle it. Show your work.

$\frac{8}{12} \times \frac{4}{4} = \frac{32}{48}$

$\frac{3}{4} \times \frac{3}{3} = \frac{9}{12}$

$\frac{21}{8} \times \frac{5}{5} = \frac{105}{40}$

$\frac{9}{4} = 2\frac{1}{4} = \frac{2}{4}$