Name: **Answers**　　　　　　　　　Date:

Math 6 F&D&P (v9) SEVEN types of questions to be completed in a suggested time of 10 minutes.

Actual time took to complete:　　　　　　　　**Score:**　　　／ 14

1a)CONVERT to a mixed NUMBER
1b)then draw an accurate SKETCH.

$\frac{19}{8} = 2\frac{3}{8}$

2.CONVERT each to a fraction and a decimal and a percent. If you can't make a percent, write 'no %'

$8\% = \frac{8}{100} = 0.08$　　$80\% = \frac{80}{100} = 0.80$　　$\frac{8}{1000} = 0.008$　no %　　$\frac{8}{10} = \frac{80}{100} = 80\%$ 0.80

3.COMPARE these fractions. CIRCLE the larger fraction in each pair. YOU MUST SHOW WORK SOME WORK to prove your answer. You cannot just circle the fraction.
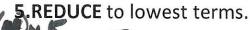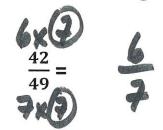
$\frac{9}{12}$　$\frac{3}{4}$　×3　　　$\frac{10}{12}$　　　$\frac{10}{20}$　$\frac{2}{4}$ ×5　　　$\frac{3}{5}$　$\frac{12}{20}$ ×4

4.Use chart to solve. (2 marks)

Science Topics and Number of Projects	
Topic	Number of Projects
Air and Aerodynamics	5
Flight	4
Sky Science	3
Trees and Forests	2
Evidence and Investigation	1

total: 15

$\frac{3}{15} = \frac{1}{5} = \frac{20}{100}$ = 20%

What % of the projects were SKY SCIENCE? **20%**

5.REDUCE to lowest terms.

$\frac{20}{36} = \frac{5}{9}$ ④×5 ④×9　　　$\frac{42}{49} = \frac{6}{7}$ 6×⑦ 7×⑦

6.CONVERT to a fraction then to a percent (%).

$0.70 = \frac{70}{100} = 70\%$　　　$0.070 = \frac{70}{1000} = 7\%$