



Baldivis
Secondary College

Year 7 Mathematics

Mini Test 3 – Fractions & Rounding- 2016

Calculator Allowed

Name: Solutions Class: _____ Mark: _____ /50

1. Which fraction is larger?

- a) $\left(\frac{1}{5}\right)$ or $\frac{1}{8}$? $\frac{8}{40}$ or $\frac{5}{40}$ } $\frac{1}{2}$ each.
- b) $\left(\frac{2}{5}\right)$ or $\frac{3}{8}$? $8 \times \left(\frac{16}{40}\right)$ $\left(\frac{15}{40}\right) \times 5$ } ✓
- c) $\left(\frac{3}{5}\right)$ or $\frac{5}{10}$? $\frac{6}{10}$ or $\frac{5}{10}$ }
- d) $\frac{2}{3}$ or $\frac{3}{5}$? $5 \times \left(\frac{10}{15}\right)$ $\frac{9}{15} (\times 3)$ } ✓
- (2 Marks)

2. Order from **smallest** to largest.

a) $\frac{2}{5}, \frac{3}{4}, \frac{5}{8}$ $\frac{16}{40}, \frac{30}{40}, \frac{25}{40}$ $\frac{2}{5}, \frac{5}{8}, \frac{3}{4}$. ✓

b) $\frac{3}{4}, \frac{2}{3}, \frac{7}{8}$ $\frac{72}{96}, \frac{64}{96}, \frac{84}{96}$ $\frac{2}{3}, \frac{3}{4}, \frac{7}{8}$. ✓

(2 marks)

c Write 2 equivalent fractions for $\frac{1}{4}$

$$\frac{1}{4} = \frac{2}{8} = \frac{3}{12}$$

✓✓

6. Multiply the following decimals (3 marks)

a 0.4×1.6

0.64

✓

b 0.04×1.6

0.064

✓

✓

c 0.4×0.16

0.064

7. Divide the following decimals (3 marks)

a $60.254 \div 4$

15.0635

✓

b $24.562 \div 0.02$

1228.1

✓

c $0.64 \div 0.4$

1.6

✓

8. Evaluate the following leaving your answers as simplified Proper Fractions or Mixed Numbers

a $\frac{5}{7} - \frac{3}{7} =$

$\frac{2}{7}$

✓

10. Rounding & Estimating

(Round these numbers using Leading or First digit Rounding)

i) 950

1000 ✓

ii) \$9.50

\$10.00 ✓

iii) \$928.92

\$900.00 ✓

iv) 2 items at \$2.45 each

\$4.90 ✓

v) 3 items @ \$6.35 each

\$19.05 ✓

vi) 4 items at \$68.75 each

\$275 ✓

vii) 5 items at \$17.80 each

\$89 ✓

(14 Marks)

(2, 2, 2, 2, 2, 2, 2)