



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  $\frac{3}{5}$  ?  $5 \times \left(\frac{10}{15}\right)$   $\frac{9}{15} (x3)$  } ✓

(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  $0.4 \times 1.6$

$$0.64$$

✓

b  $0.04 \times 1.6$

$$0.064$$

✓

c  $0.4 \times 0.16$

$$0.064$$

✓

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)