

# LUMEN CHRISTI CATHOLIC COLLEGE – MATHEMATICS 2

## YEAR SEVEN FRACTIONS IN-CLASS ASSIGNMENT 2008

NAME: \_\_\_\_\_

### OUTCOMES ASSESSED:

- Operates with fractions

### DIRECTIONS:

- Show all necessary working
- No Calculators
- You may use your little books as reference

<b>QUESTION ONE</b> Write an equivalent fraction for each of these: a) $\frac{3}{4} =$ b) $\frac{8}{9} =$ c) $\frac{2}{6} =$					/3
<b>QUESTION TWO</b> Find the missing values to make the fractions equivalent: a) $\frac{2}{4} = \frac{\quad}{12}$ b) $\frac{3}{4} = \frac{\quad}{20}$ c) $\frac{7}{8} = \frac{28}{\quad}$					/3
<b>QUESTION THREE</b> Insert the appropriate symbol, > or <, between each pair of fractions to make the statement true: a) $\frac{4}{5}$ $\frac{16}{25}$ b) $\frac{2}{3}$ $\frac{6}{7}$					/3

Should be able to:	A	B	C	D	E
❖ Find equivalent fractions and order fractions					

<b>QUESTION FOUR</b> Change these fractions to their simplest form. b) $\frac{4}{12}$ b) $\frac{21}{24}$ c) $1\frac{42}{49}$ d) $3\frac{66}{64}$					/4
<b>QUESTION FIVE</b> Mary's netball team scored 24 points in a match. The team's Goal Shooter scored 16 of these points. What fraction of the team's goals did the Goal Shooter score? Simplify the answer.					/2

Should be able to:	A	B	C	D	E
❖ Reduce a fraction to its lowest equivalent form					

**QUESTION SIX**

Change these improper fractions to either whole numbers or mixed numerals:

a)  $\frac{32}{8}$

b)  $\frac{13}{3}$

c)  $\frac{77}{6}$

d)  $\frac{14}{5}$

/4

**QUESTION SEVEN**

Express the following mixed numerals as improper fractions:

a)  $4\frac{2}{3}$

b)  $3\frac{1}{8}$

c)  $10\frac{4}{5}$

d)  $1\frac{9}{11}$

/4

**QUESTION EIGHT**

Paulius made pizzas for his mates. He divided each pizza into 8 pieces and after the party

he noticed that  $2\frac{3}{8}$  pizzas had been eaten. How many pieces of pizza had been eaten?

/2

Should be able to:	A	B	C	D	E
❖ Express improper fractions as mixed numerals and vice versa					

**QUESTION NINE**

a)  $\frac{2}{13} + \frac{9}{13} =$

b)  $\frac{4}{5} - \frac{3}{10} =$

c)  $\frac{1}{5} + \frac{3}{6} =$

/5

d)  $\frac{2}{2} - \frac{7}{10} =$

e)  $4\frac{3}{8} + 2\frac{2}{3} =$

f)  $\frac{9}{11} - \frac{5}{12} =$

/6

Should be able to:	A	B	C	D	E
❖ Add and subtract fractions using written methods and subtract a fraction from a whole number					

**QUESTION NINE**

a) $\frac{3}{7} \times \frac{1}{7} =$	b) $\frac{5}{6} \times \frac{4}{7} =$	c) $6 \times \frac{3}{8} =$	/6
d) $3\frac{1}{3} \times 7\frac{2}{5} =$	e) What is one-fifth of $\frac{5}{11}$		

Should be able to:	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
❖ Multiply fractions and mixed numerals					

**QUESTION TEN**

a) $\frac{4}{5} \div \frac{5}{10} =$	b) $\frac{5}{11} \div \frac{7}{11} =$	/8
c) $\frac{2}{5} \div 5 =$	d) $2\frac{1}{4} \div \frac{1}{3} =$	
e) The Clayada foundation for underprivileged children cooked lunch for a recent public event. They purchased $4\frac{1}{4}$ kg of mashed potato. If they had to divide this mash into 8 portions, how much will be in each portion?		/2

Should be able to:	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
❖ Divide fractions and mixed numerals					

**PLEASE CHECK YOUR WORK THOROUGHLY IF YOU ARE FINISHED!**

**FINAL MARK:**

$\frac{\quad}{56}$

**FINAL GRADE:**