

KG/MW/AL AZHAR COLLEGE

GRADE – 06 MATHS (EM)

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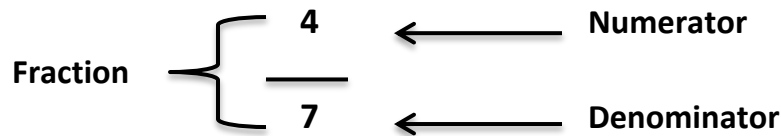
2nd TERM

UNIT – 09

FRACTIONS

Work Sheet – 02

Unit 9.2



Unit Fractions: numerator is one.

Example: $1/2, 1/3, 1/4, 1/5, 1/7$

$2/3$ is Two $1/3$ s

$3/4$ is Three $1/4$ s

$5/7$ is Five $1/7$ s

$3/5$ is Three $1/5$ s

(01) Fill the grid

	Fraction	Numerator	Denominator
a.	$5/9$		
b.	$7/10$		
c.	$4/13$		
d.		1	5
e.		7	12

(02) Write down the fraction with denominator 6 and numerator 5

(03) Out of the proper fractions given below, choose and write down the unit fractions.

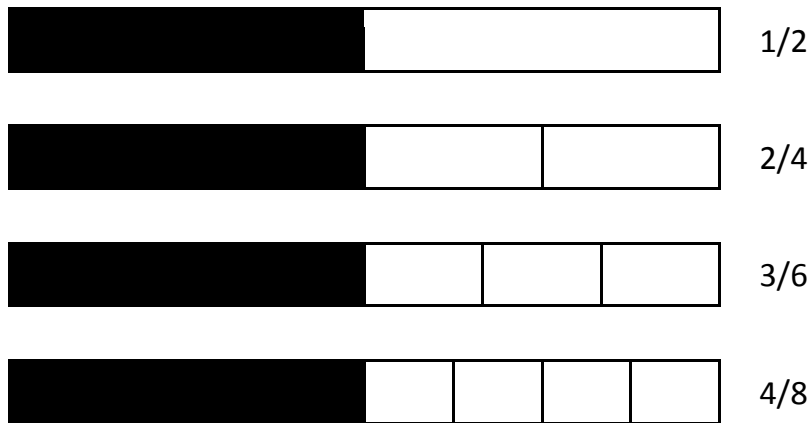
($3/7, 1/5, 5/11, 2/3, 1/15, 5/20, 1/8, 27/30, 1/18, 1/4$)

(04) Fill in the blanks

- a. $3/15$ is _____ $1/15$ s (one, two, three)
- b. $3/4$ is three _____ s ($1/3$, $1/2$, $1/4$)
- c. Four _____ is $4/5$ ($1/3$ s, $1/5$ s, $1/4$ s)
- d. $5/9$ is _____ $1/9$ s (nine, four, five)
- e. $8/12$ is eight _____s ($1/8$, $1/12$, $1/2$)

Unit 9.3

Equivalent Fractions



Shaded quantities are the same. So, $1/2$, $2/4$, $3/6$ & $4/8$ are equal.
 $1/2$, $2/4$, $3/6$ & $4/8$ are equivalent fractions.

Equivalent fractions can be obtained by multiplying or dividing both the numerator and denominator of a fraction by the same whole number.

Example:

$$\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$$

$$\frac{4}{20} = \frac{4 \div 4}{20 \div 4} = \frac{1}{5}$$

(01) Fill in the blanks

a. $\frac{1}{2} = \frac{1 \times 3}{2 \times 3} = \frac{\dots\dots\dots}{6}$

b. $\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{\dots\dots\dots}$

c. $\frac{1}{7} = \frac{1 \times 2}{7 \times \dots\dots} = \frac{\dots\dots\dots}{\dots\dots\dots}$

d. $\frac{3}{8} = \frac{3 \times \dots\dots}{8 \times \dots\dots} = \frac{\dots\dots\dots}{\dots\dots\dots}$

e. $\frac{3}{4} = \frac{3 \times \dots\dots\dots}{4 \times \dots\dots\dots} = \frac{\dots\dots\dots}{\dots\dots\dots}$

(02) Write down two equivalent fractions.

a. $\frac{1}{2} =$ _____ _____

e. $\frac{4}{5} =$ _____ _____

b. $\frac{2}{3} =$ _____ _____

f. $\frac{3}{10} =$ _____ _____

c. $\frac{5}{6} =$ _____ _____

g. $\frac{3}{5} =$ _____ _____

d. $\frac{7}{10} =$ _____ _____

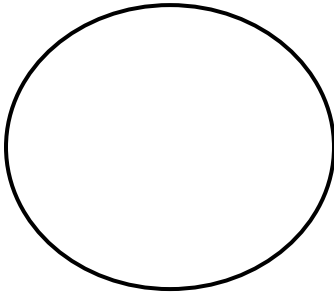
h. $\frac{5}{9} =$ _____ _____

(03) Select the equivalent fractions from the following.

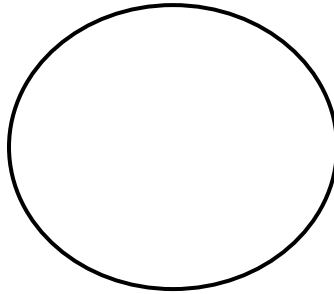
$$\frac{3}{11}, \frac{4}{5}, \frac{2}{3}, \frac{3}{8}, \frac{6}{8}, \frac{6}{9}, \frac{12}{16}$$

$$\frac{4}{10}, \frac{16}{20}, \frac{8}{12}, \frac{45}{60}, \frac{8}{10}, \frac{10}{15}, \frac{40}{60}$$

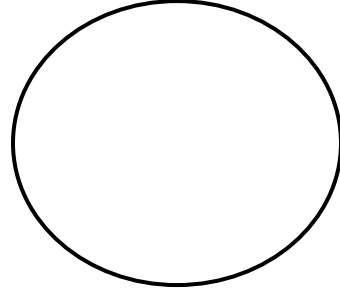
Equivalent Fraction of $\frac{3}{4}$



Equivalent Fraction of $\frac{4}{5}$



Equivalent Fraction of $\frac{2}{3}$



(04) Write down each fraction in its simplest form.

a. $\frac{6}{8} = \frac{6 \div 2}{8 \div 2} = \frac{3}{4}$

e. $\frac{15}{20}$ _____

b. $\frac{10}{15}$ _____

f. $\frac{10}{100}$ _____

c. $\frac{2}{8}$ _____

g. $\frac{40}{50}$ _____

d. $\frac{25}{50}$ _____

h. $\frac{15}{25}$ _____