3055 BA SANGAM COLLEGE

WORKSHEET 27   **YEAR 09**

SUBJECT: MATHEMATICS   **NAME OF STUDENT: _____**

| STRAND	*NUMBERS*
SUB-STRAND	Rational Numbers
Content Learning Outcome	Explore and describe number system into different components and representations using examples from practical situations

1. Fractions

Definitions

-   A **fraction** is a part of a whole.
-   The **denominator** of a fraction is the number of parts the whole is divided into; the **numerator** is the number of parts we have.
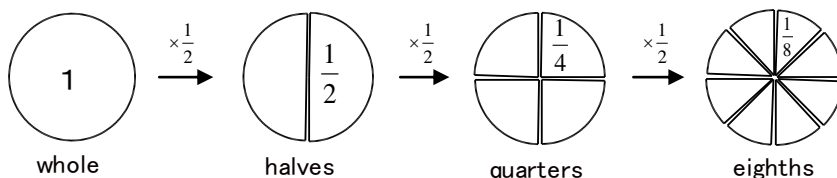

Exercise1   What fractions do the shaded parts in the diagrams below represent?

2. Equivalent Fractions
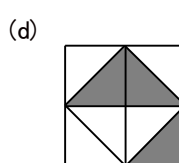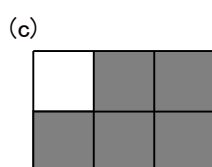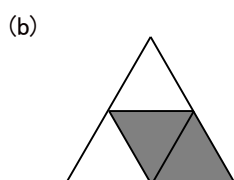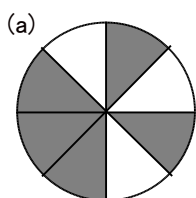
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Definitions

- **Equivalent fractions** are fractions with different denominators that represent the same amount.
- We can make equivalent fractions by multiplying the numerator and denominator by the same number.
- A fraction is in **simplest form** when the numerator and denominator cannot be cancelled.

$$\frac{1}{2} \qquad \frac{2}{4} \qquad \frac{4}{8}$$
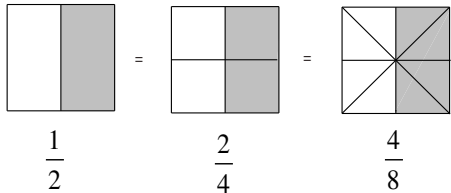
<u>Exercise2</u>   Find fractions that are equivalent to $^2/_3$.

(a) $\dfrac{2}{3} = \dfrac{}{6}$

(b) $\dfrac{2}{3} = \dfrac{}{12}$

(c) $\dfrac{2}{3} = \dfrac{}{9}$

(d) $\dfrac{2}{3} = \dfrac{}{15}$

<u>Exercise3</u>   Find the equivalent fractions indicated:

(a) $\dfrac{1}{2} = \dfrac{}{4}$

(b) $\dfrac{1}{3} = \dfrac{}{12}$

(c) $\dfrac{3}{4} = \dfrac{}{20}$

(d) $\dfrac{5}{8} = \dfrac{}{24}$

(e) $\dfrac{5}{6} = \dfrac{}{30}$

(f) $\dfrac{2}{9} = \dfrac{}{54}$