

Unit 3 Fractions and Location

Section I Fractions

3.1

The Concept of Part-Whole; Terms of a Fraction

☞ RECALL

KEY WORDS

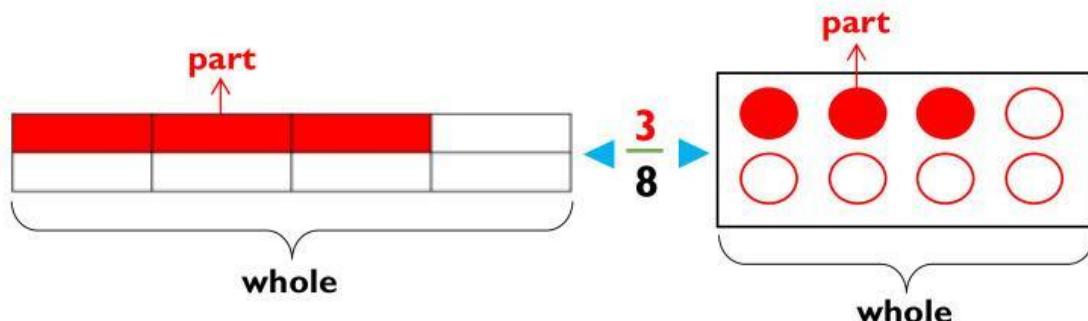
- fraction
- whole
- numerator
- denominator
- fraction bar
- divide
- equal parts

KEY CONTENT

I. The Concept of Part-Whole

e.g.

$\frac{3}{8}$ → parts of the whole
 $\frac{3}{8}$ → total number of equal parts we divide the whole into



2. Terms of a Fraction

e.g.

$\frac{3}{8}$ → **Numerator:** parts of the whole
 $\frac{3}{8}$ → **Fraction bar:** line that separates the numerator from the denominator
 $\frac{3}{8}$ → **Denominator:** total number of equal parts we divide the whole into

Fraction

☞ PRACTICE

A. Vocabularies and Concepts

I. Find the words. Words are  or . Then rewrite each word 3 times.

FRACTION WHOLE NUMERATOR DENOMINATOR DIVIDE

C	F	Z	W	E	E	B	V	X	Z	R	M
L	M	R	H	R	S	X	E	Q	I	G	D
F	P	W	O	Y	U	V	H	G	M	A	I
T	Y	V	L	I	Y	J	M	V	Q	T	V
R	X	D	E	C	A	M	P	I	V	K	I
A	W	N	U	M	E	R	A	T	O	R	D
K	D	F	R	A	C	T	I	O	N	H	E
D	E	N	O	M	I	N	A	T	O	R	F

fraction _____

whole _____

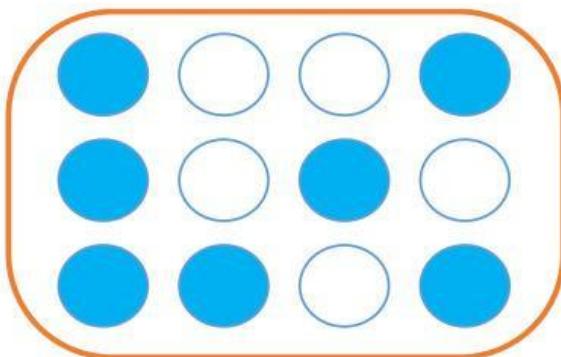
numerator _____

denominator _____

divide _____

2. Circle the correct answer.

Look at the picture then answer the following questions.



a. What is the fraction that the **colored** parts represent?

A. $\frac{5}{12}$ B. $\frac{7}{12}$ C. $\frac{12}{12}$

b. What is the fraction that the **uncolored** parts represent?

A. $\frac{5}{12}$ B. $\frac{7}{12}$ C. $\frac{12}{12}$

c. What is the **denominator** of the above fractions?

A. 7 B. 12 C. 5

d. What is the **numerator** of the fraction in question a?

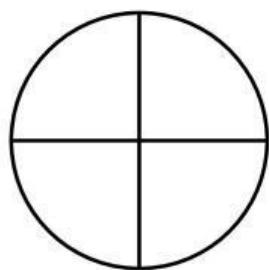
A. 12 B. 5 C. 7

B. Math Skills and Problem Solving

I. Color to represent the fractions.

a.

$$\frac{1}{4}$$



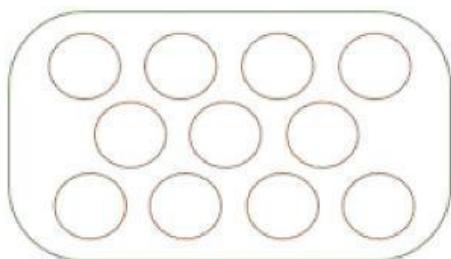
c.

$$\frac{4}{9}$$



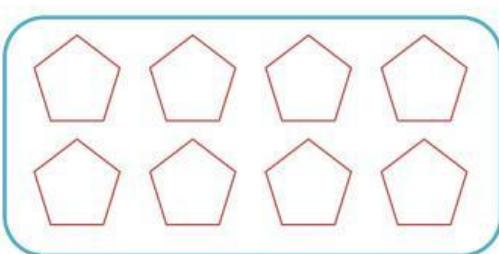
b.

$$\frac{6}{11}$$

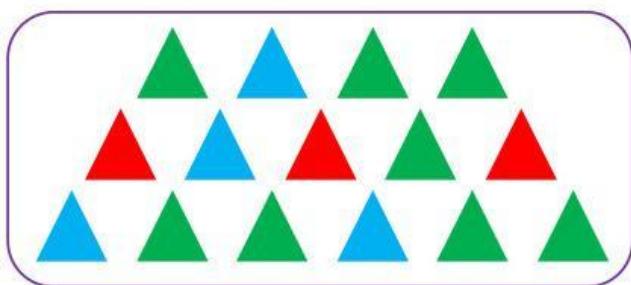


d.

$$\frac{5}{8}$$



2. Look. Write the fractions.

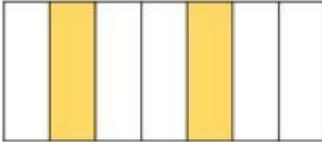
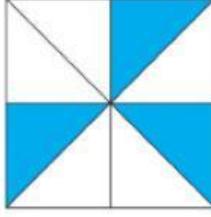
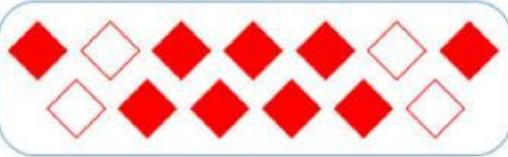


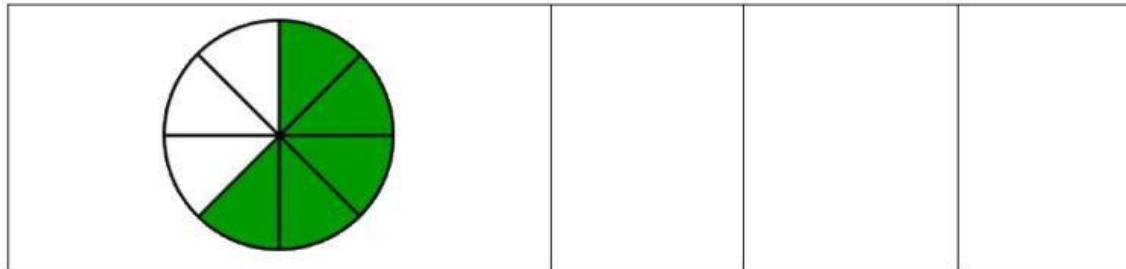
a. parts:

b. parts:

c. parts:

3. Complete the table.

Representation	Numerator	Denominator	Fraction
	1	2	$\frac{1}{2}$
			
			
			



4. Match each fraction with its description.

The numerator is less than half the denominator.

$$\frac{5}{10}$$

$$\frac{7}{12}$$

The denominator is twice the numerator.

$$\frac{5}{14}$$

5. Read and solve the problem 

a. My **numerator** is the **greatest one-digit number**. My **denominator** is **7 more than my numerator**. What fraction am I?

Answer: The fraction is $\frac{\square}{\square}$.

b. My **denominator** is **twice my numerator**. My **numerator** is the **number of months in a year**. What fraction am I?

Answer: The fraction is $\frac{\boxed{}}{\boxed{}}$.

