

GETTING READY FOR

6TH

GRADE

MATH

REVIEW BOOKLET

NAME: _____

ADDING & SUBTRACTING FRACTIONS WITH UNLIKE DENOMINATORS

When you add or subtract fractions they must have the same **denominator**

To rewrite fractions with the same denominator, find the **Least Common Denominator** (LCD)

Denominator (LCD)

Rewrite each fraction with the LCD. Whatever you multiply the denominator by, you must multiply the **numerator** by.

Find each SUM OR difference:

$\frac{1}{4} + \frac{1}{2} =$	$\frac{3}{4} - \frac{2}{3} =$
$\frac{5}{6} - \frac{1}{8} =$	$\frac{3}{4} + \frac{5}{6} =$

MULTIPLYING FRACTIONS

To multiply fractions, multiply their **numerators**. Then, multiply their **denominators**. Simplify your answer.

Find each PRODUCT.

$\frac{1}{6} \times \frac{2}{3} =$	$\frac{2}{5} \times \frac{1}{3} =$
$\frac{9}{10} \times \frac{6}{7} =$	$\frac{12}{15} \times \frac{1}{4} =$
$\frac{5}{9} \times \frac{2}{4} =$	$\frac{3}{8} \times \frac{2}{6} =$

LONG DIVISION

Steps for long division:

D: Divide

M: Multiply

S: Subtract

C: Check

B: Bring Down

Write your remainder as a **fraction**. The remainder is the numerator and the **divisor** is the denominator.

FIND each QUOTIENT. CHECK USING MULTIPLICATION

$$8 \overline{)536}$$

$$12 \overline{)1109}$$

ADDING & SUBTRACTING FRACTIONS WITH LIKE DENOMINATORS

When you add or subtraction fractions with like denominators, add or subtract the **numerators**. Keep the **denominators** the same. **Simplify** your answer.

FIND each SUM OR difference:

$$\frac{1}{9} + \frac{3}{9} =$$

$$\frac{5}{8} - \frac{1}{8} =$$

$$\frac{2}{10} + \frac{9}{10} =$$

$$\frac{10}{15} - \frac{5}{15} =$$

$$\frac{2}{5} + \frac{7}{5} =$$

$$\frac{2}{3} - \frac{2}{3} =$$

SIMPLIFYING FRACTIONS

To simplify fractions, divide the numerator and denominator by the **Greatest Common Factor** (GCF)

Simplify each fraction below

$$\frac{3}{9}$$

$$\frac{15}{40}$$

$$\frac{6}{24}$$

$$\frac{8}{26}$$

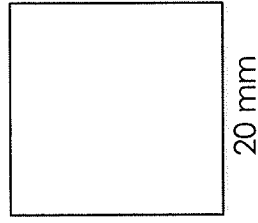
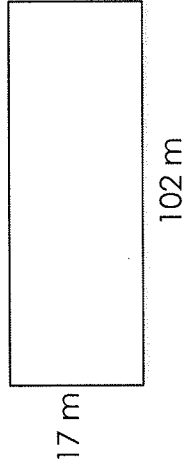
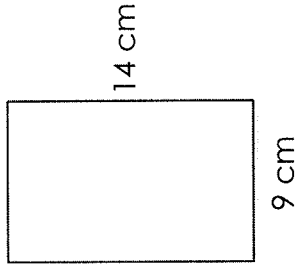
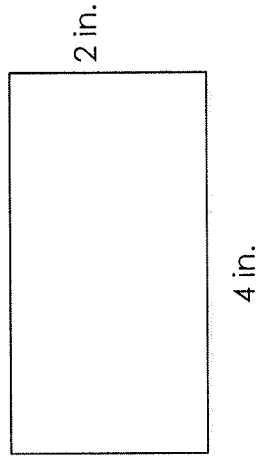
$$\frac{14}{21}$$

$$\frac{10}{16}$$

FINDING AREA OF RECTANGLES

To find area of a rectangle, multiply the **length** times the **width**. Units are **squared**.

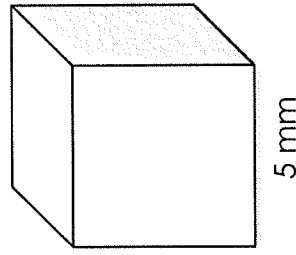
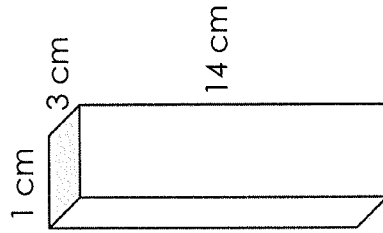
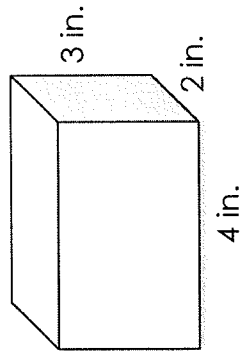
Find the area of each rectangle:



VOLUME OF RECTANGULAR PRISMS

To find the volume of a rectangular prism, multiply the **length** times the **width** times the **height**. Units are **cubic**.

FIND THE VOLUME OF EACH RECTANGULAR PRISM=



EQUIVALENT FRACTIONS

Equivalent fractions have the same **value**. To write equivalent fractions **multiply** or **divide** the numerator and denominator by the same **number**

WRITE THREE EQUIVALENT FRACTIONS FOR EACH FRACTION BELOW. SHOW WHAT NUMBER YOU MULTIPLIED OR DIVIDED BY TO WRITE THE EQUIVALENT FRACTION.

$\frac{1}{4}$	$\frac{9}{12}$
$\frac{2}{5}$	$\frac{24}{54}$

ORDERING DECIMALS

Line up the **decimal** points of the numbers.
Add **zeros** if necessary. Compare place values by moving **right**.

COMPARE USING $<$, $>$ OR $=$

$$0.3 \underline{\hspace{1cm}} 0.8 \qquad 0.04 \underline{\hspace{1cm}} 0.004$$

$$9.8 \underline{\hspace{1cm}} 8.9 \qquad 16.056 \underline{\hspace{1cm}} 16.256$$

$$12.020 \underline{\hspace{1cm}} 12.02 \qquad 1.54 \underline{\hspace{1cm}} 1.421$$

ORDER FROM LEAST TO GREATEST

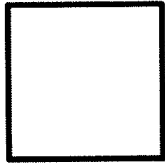
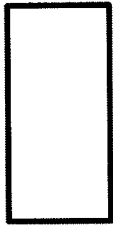
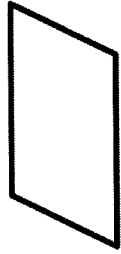
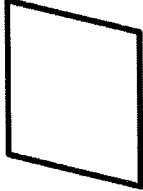
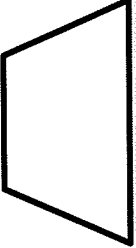
4.6, 4.09, 3.4, 4.32, 4.54

0.99, 0.09, 0.89, 0.0899

QUADRILATERALS

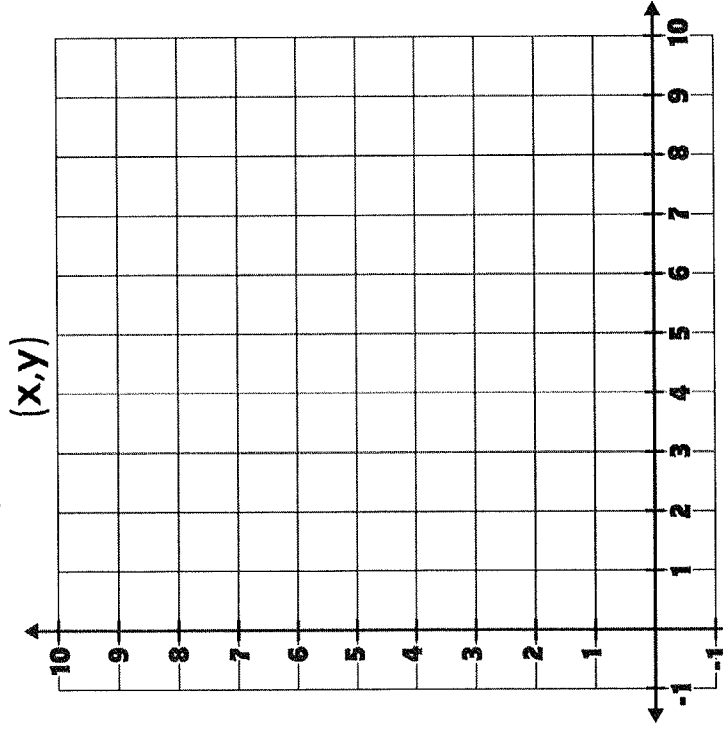
Quadrilaterals are polygons with **four** sides.
They are classified based on their **sides** and **angles**.

COMPLETE THE CHART BELOW:

NAME	DESCRIPTION	PICTURE
		
		
		
		
		

GRAPHING COORDINATES

To graph a coordinate, find the x-coordinate on the **x-axis**. Then move **up** the number of units as indicated by the y-coordinate.



Graph and label each coordinate.

- A (6,8)
- B (0,3)
- C (1, 4)
- D (3, 10)
- E (4,0)
- F (10,5)
- G (5,3)
- H (0,0)

NAMING DECIMALS

To indicate a decimal point, say or write the word **“and”**. Read the decimal part as a regular number and add the **place value** that the last digit is at the end.

	HUNDREDS
	tens
	ones
	tenths
	HUNDRETHS
	THOUSANDTHS
	ten thousandths
	Hundred thousandths
	millionths

WRITE each decimal in word form.

#1

5.67

#2

12.009

#3

0.78022