Name:_____

Unit 5 math review
Test on:_____

1.

Fill in the table by using the information given to help you find equivalent fractions.

Fraction	Multiply Both the Numerator and Denominator by:				
	2	3	4	5	6
$\frac{2}{3}$		$\frac{6}{9}$		$\frac{10}{15}$	
$\frac{1}{6}$	$\frac{2}{12}$		$\frac{4}{24}$		
$\frac{1}{3}$		$\frac{3}{9}$		$\frac{5}{15}$	

2.

Solve. Use the table on screen 1 and the table on the linked screen to find equivalent fractions with a common denominator. Write a number sentence showing the fractions you used.

a. $\frac{1}{3} - \frac{1}{6} = ?$

Common denominator: _____   _____
                                          (number sentence)

b. $\frac{1}{3} + \frac{1}{2} = ?$

Common denominator: _____   _____

3.

Make an estimate. Then solve by finding fractions with a common denominator. Use the tables and lists of equivalent fractions on previous screens and the linked screen to help you. Write a number sentence with a common denominator to summarize each problem.

$$\frac{1}{2} - \frac{1}{4} = ?$$

Estimate: _____   Common denominator: _____

_____
(number sentence)

4.

Make an estimate. Then solve by finding fractions with a common denominator. Use the tables and lists of equivalent fractions on previous screens and the linked screen to help you. Write a number sentence with a common denominator to summarize each problem.

$$\frac{1}{2} + \frac{1}{6} = ?$$

Estimate: _____   Common denominator: _____

_____
(number sentence)

5.

Make an estimate. Then solve by finding fractions with a common denominator.
Use the tables and lists of equivalent fractions on previous screens and the linked
screen to help you. Write a number sentence with a common denominator to summarize
each problem.

$\frac{1}{4} + \frac{2}{3} = ?$

Estimate: _____   Common denominator: _____

_____
(number sentence)

6.

Make an estimate. Then solve by finding fractions with a common denominator.
Use the tables and lists of equivalent fractions on previous screens and the linked
screen to help you. Write a number sentence with a common denominator to summarize
each problem.

$\frac{1}{4} - \frac{1}{6} = ?$

Estimate: _____   Common denominator: _____

_____
(number sentence)

7.

Rewrite the fractions as equivalent fractions with a common denominator. Fill in the blank
with <, >, or = to make a true number sentence.

a. $\frac{1}{2}$ _____ $\frac{2}{5}$ Fractions with a common denominator: _____ , _____

b. $\frac{1}{3}$ _____ $\frac{2}{6}$ Fractions with a common denominator: _____ , _____

8.

Find a common denominator of each of the two fractions, then rewrite the fractions, then add and then subtract.

a. $\frac{2}{9}$ and $\frac{5}{6}$. Common denominator: ___*18*___ $\frac{2}{9} = \frac{4}{18}$ $\frac{5}{6} = \frac{15}{18}$

b. $\frac{2}{9} + \frac{5}{6} =$ _____

c. $\frac{5}{6} - \frac{2}{9} =$ _____

d. Fill in the blank with >, <, or = : $\frac{2}{9}$ _____ $\frac{5}{6}$

9.

a. $\frac{3}{4}$ and $\frac{7}{12}$. Common denominator: _____ $\frac{3}{4} =$ _____ $\frac{7}{12} =$ _____

b. $\frac{3}{4} + \frac{7}{12} =$ _____

c. $\frac{3}{4} - \frac{7}{12} =$ _____

d. Fill in the blank with >, <, or = : $\frac{3}{4}$ _____ $\frac{7}{12}$

10.

    a. $\frac{4}{7}$ and $\frac{1}{2}$. Common denominator: _____ $\frac{4}{7} =$ _____ $\frac{1}{2} =$ _____

    b. $\frac{4}{7} + \frac{1}{2} =$ _____

    c. $\frac{4}{7} - \frac{1}{2} =$ _____

    d. Fill in the blank with >, <, or =: $\frac{4}{7}$ _____ $\frac{1}{2}$

11.

$\frac{2}{3}$ and $\frac{10}{15}$

Fractions with a common denominator: _____ and _____

$\frac{2}{3} + \frac{10}{15} =$ _____

Fill in the blank with <, >, or =: $\frac{2}{3}$ _____ $\frac{10}{15}$

12.

$\frac{1}{4}$ and $\frac{2}{9}$

Fractions with a common denominator: _____ and _____

$$\frac{1}{4} - \frac{2}{9} = \underline{\hspace{2cm}}$$

Fill in the blank with <, >, or =: $\frac{1}{4}$ _____ $\frac{2}{9}$

13.

$\frac{5}{6}$ and $\frac{3}{4}$

Fractions with a common denominator: _____ and _____

$$\frac{5}{6} + \frac{3}{4} = \underline{\hspace{2cm}} \qquad \frac{5}{6} - \frac{3}{4} = \underline{\hspace{2cm}}$$

14.

Estimate each sum and then solve. Show your work.

Estimate: _____

$$\begin{array}{r} 3\frac{4}{7} \\ + 4\frac{4}{7} \\ \hline \end{array}$$

15.

Estimate: _____

$$6\dfrac{3}{4}$$
$$+\ \dfrac{1}{6}$$
_____

16.

Estimate: _____

$$\dfrac{7}{8}$$
$$+\ \dfrac{1}{6}$$
_____

17.

Write a number model with an unknown and make an estimate. Then solve the story. Show your work. Record your answer and a summary number model. Use your estimate to check whether your answer makes sense.

Mr. Kumar's class ate $6\dfrac{3}{4}$ pizzas, and Ms. Rinehart's class ate $4\dfrac{2}{4}$ pizzas. How many pizzas did the two classes eat?

Number model: _____

Estimate: _____

18.

Write a number model with an unknown and make an estimate. Then solve the story. Show your work. Record your answer and a summary number model. Use your estimate to check whether your answer makes sense.

Charlotte ran $5\frac{2}{3}$ miles on Monday and $1\frac{5}{8}$ miles on Tuesday. How many miles did she run in all?

Number model: _____

Estimate: _____

Write a number model with an unknown and make an estimate. Then solve the story. Show your work. Record your answer and a summary number model. Use your estimate to check whether your answer makes sense.

Melanie's superhero costume for the school play requires $1\frac{5}{6}$ yards of green fabric and $\frac{1}{3}$ yard of yellow fabric. How many total yards of fabric are needed for the costume?

Number model: _____

Estimate: _____

Fill in the missing numbers.

19.

$$5\frac{1}{4} = 4\frac{\square}{4}$$

$$8\frac{7}{9} = \underline{\qquad} \frac{16}{9}$$

20.

Estimate: _____

$$\frac{7}{12} - \frac{3}{8} = \underline{\qquad}$$

21.

Jake has two pet guinea pigs named Fluffy and Scruffy. Fluffy is $8\frac{1}{8}$ inches long. Scruffy is $10\frac{1}{4}$ inches long. How much longer is Scruffy than Fluffy?

Number model: _____

Estimate: _____

22.

Rachel is traveling by plane from Chicago to San Diego. The flight will take $4\frac{1}{4}$ hours. The plane took off $1\frac{2}{3}$ hours ago. How much longer will Rachel be on the plane?

Number model: _____

Estimate: _____

23.

Estimate: _____

$$4\frac{1}{6}$$
$$-\ 3\frac{2}{6}$$
$$\overline{}$$

24.

Estimate: _____

$$9$$
$$-\ 4\frac{7}{8}$$
$$\overline{}$$

25.