


5th Grade Mid-Module 3 Study Guide:

Answer the questions below using pictures, numbers, or words to explain your thinking for each answer, including the multiple choice.

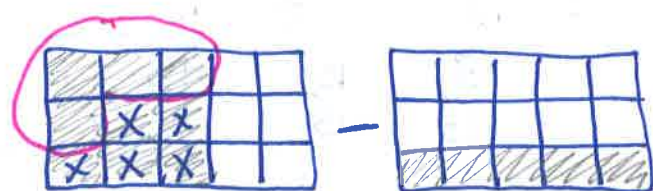
1. $\frac{1}{2} + \frac{1}{6} =$



$$\frac{1}{2} = \frac{6}{12} + \frac{1}{6} = \frac{2}{12}$$

$$\frac{6}{12} + \frac{2}{12} = \frac{8}{12} \div 4 = \frac{2}{3}$$

2. $\frac{3}{5} - \frac{1}{3} =$



$$\frac{3}{5} = \frac{9}{15} - \frac{1}{3} = \frac{5}{15}$$

$$\frac{9}{15} - \frac{5}{15} = \frac{4}{15}$$

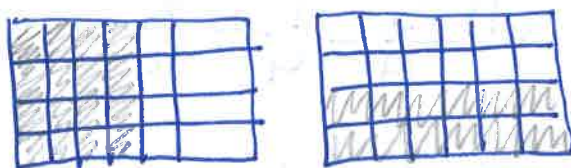
3. Select the **two** values that correctly represent the total of $\frac{4}{6} + \frac{2}{4}$

a. $\frac{28}{24}$

b. $\frac{8}{10}$

c. $1 \frac{4}{24}$

d. $\frac{8}{24}$



$$\frac{4}{6} = \frac{16}{24} + \frac{2}{4} = \frac{12}{24}$$

$$\frac{16}{24} + \frac{12}{24} = \frac{28}{24} = \frac{24}{24} + \frac{4}{24} = 1 \frac{4}{24} = 1 \frac{1}{6}$$

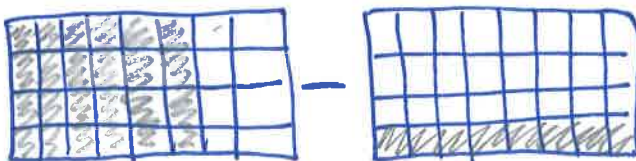
4. Select the **two** values that correctly represent the difference between $\frac{6}{8} - \frac{1}{4}$

a. $\frac{5}{8}$

b. $\frac{4}{8}$

c. $\frac{1}{2}$

d. $\frac{2}{8}$



$$\frac{6}{8} = \frac{24}{32} - \frac{1}{4} = \frac{8}{32}$$

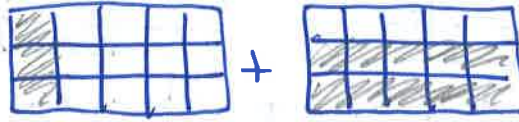
$$\frac{24}{32} - \frac{8}{32} = \frac{16}{32} \div 4 = \frac{4}{8} \div 4 = \frac{1}{2}$$

Name: _____

Date: _____

5. Dakota has played in 3 basketball games this season. In the first game, he scored $\frac{1}{5}$ of his team's points. In each of the last two games, he scored $\frac{1}{3}$ of the team's points. What fraction of the team's points did Dakota score in all?

#1	#2	#3
$\frac{1}{5}$	$\frac{1}{3}$	$\frac{1}{3}$
$\frac{1}{5} +$	$\frac{2}{3}$	



$$\frac{1}{5} = \frac{3}{15} + \frac{2}{3} = \frac{10}{15}$$

$$\frac{3}{15} + \frac{10}{15} = \frac{13}{15} \text{ of the team's points}$$

6. Jasmine's family had $\frac{3}{4}$ of a gallon of milk. At breakfast, her brother drank $\frac{1}{5}$

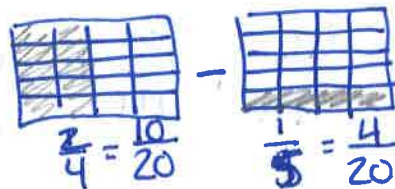
gallon of milk and then she drank $\frac{1}{4}$ gallon. How much milk was left over? Support your answer using a diagram, numbers, and/or words.

milk

$\frac{3}{4}$ gal		
$\frac{1}{4}$	$\frac{1}{5}$?
J	B	Lo

$$\textcircled{1} \quad \frac{3}{4} - \frac{1}{4} = \frac{2}{4}$$

$$\textcircled{2} \quad \frac{2}{4} - \frac{1}{5} =$$



$$\frac{2}{4} = \frac{10}{20} \quad \frac{1}{5} = \frac{4}{20}$$

$$\frac{10}{20} - \frac{4}{20} = \frac{6}{20} = \frac{3}{10}$$

$\frac{3}{10}$ gal. of milk left over.

Level 4

1. Casey traveled $6\frac{2}{5}$ miles. She then stopped for a break. After her break, she traveled another $\frac{1}{3}$ mile and stopped to eat a snack. Then, Casey went an additional $\frac{3}{4}$ mile. How many miles did Casey travel altogether? Your answer must be shown in decimal form.