

Name: ANSWER KEY

Block: _____ Date: _____

Fractions (Part 2)

STUDY GUIDE

DO YOU FEEL READY FOR THE TEST?! Where do you feel you are?

3 - MS

2 - PMS

1 - DNM

Competency 2 - Learning Target #10: I can add fractions with common denominators.

DIRECTIONS: Add the fractions. Simplify your answer. Show all your work!

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

$\frac{6}{7}$

2.) $\frac{2}{10} + \frac{3}{10} =$

$\frac{5}{10} = \frac{1}{2}$

3.) $\frac{5}{7} + \frac{6}{7} =$

$\frac{11}{7} = 1\frac{4}{7}$

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Competency 2 - Learning Target #11: I can add fractions with uncommon denominators.

DIRECTIONS: Add the fractions. Simplify your answer. Show all your work!

4.) $\frac{1}{6} + \frac{2}{3} \times \frac{2}{2}$

$\frac{1}{6} + \frac{4}{6} = \frac{5}{6}$

5.) $\frac{1}{6} \times \frac{5}{5} + \frac{1}{5} \times \frac{6}{6}$

$\frac{5}{30} + \frac{6}{30} = \frac{11}{30}$

6.) $\frac{5}{8} \times \frac{3}{3} + \frac{11}{12} \times \frac{2}{2}$

$\frac{15}{24} + \frac{22}{24} = \frac{37}{24} = 1\frac{13}{24}$

DO YOU FEEL READY FOR THE TEST?! Where do you feel you are?

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Competency 2 - Learning Target #12: I can subtract fractions with common denominators.

DIRECTIONS: Subtract the fractions. Simplify your answer. Show all your work!

7.) $\frac{5}{6} - \frac{1}{6} =$

$\frac{4}{6} \div 2 = \frac{2}{3}$

8.) $\frac{14}{20} - \frac{12}{20} =$

$\frac{2}{20} \div 2 = \frac{1}{10}$

9.) $\frac{50}{60} - \frac{12}{60} =$

$\frac{38}{60} = \frac{19}{30}$

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Competency 2 - Learning Target #13: I can subtract fractions with uncommon denominators.

DIRECTIONS: Subtract the fractions. Simplify your answer. Show all your work!

10.) $\frac{4}{5} \times \frac{2}{2} - \frac{3}{10} =$

$$\frac{8}{10} - \frac{3}{10} = \frac{5}{10} = \frac{1}{2}$$

11.) $\frac{3}{4} \times \frac{3}{3} - \frac{1}{3} \times \frac{4}{4} =$

$$\frac{9}{12} - \frac{4}{12} = \frac{5}{12}$$

12.) $\frac{4}{5} \times \frac{6}{6} - \frac{1}{6} \times \frac{5}{5} =$

$$\frac{24}{30} - \frac{5}{30} = \frac{19}{30}$$

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Competency 2 - Learning Target #17: I can add mixed numbers.

DIRECTIONS: Add the mixed numbers. Simplify your answer. Show all your work!

13.) $6\frac{1}{8} + 2\frac{5}{8} = 8\frac{6}{8} = 8\frac{3}{4}$

14.) $5\frac{1}{5} \times \frac{2}{2} + 2\frac{3}{10} =$

$$5\frac{2}{10} + 2\frac{3}{10} = 7\frac{5}{10} = 7\frac{1}{2}$$

15.) $1\frac{5}{9} \times \frac{2}{2} + 4\frac{1}{6} \times \frac{3}{3} =$

$$1\frac{10}{18} + 4\frac{3}{18} = 5\frac{13}{18}$$

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Competency 2 - Learning Target #18: I can subtract mixed numbers.

DIRECTIONS: Subtract the mixed numbers. Simplify your answer. Show all your work!

16.) $7\frac{2}{5} - 2\frac{1}{5} =$

$$5\frac{1}{5}$$

17.) $5\frac{7}{8} \times \frac{5}{5} - 3\frac{2}{5} \times \frac{8}{8} =$

$$5\frac{35}{40} - 3\frac{16}{40} = 2\frac{19}{40}$$

18.) $7 - 5\frac{5}{6} =$

$$6\frac{6}{6} - 5\frac{5}{6} = 1\frac{1}{6}$$