6th Grade
Sept 30, 2020

Please get out your homework and a pen for checking.

Today we will:
-review HW
-review video notes
-start homework WS

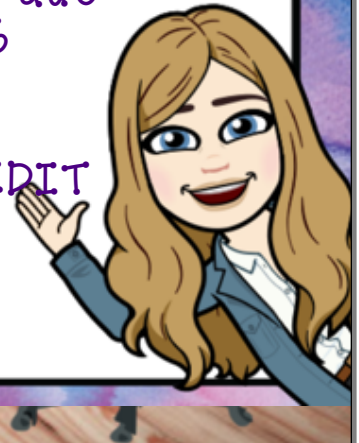HOMEWORK:

Complete practice WS

THQ due Friday

ALEKS new assignment due Tues, Oct 6

OPTIONAL EXTRA CREDIT ALEKS due Friday

![green check]

Name _____

Unit ____ **Lesson** ____ **Due Date** _____

PRACTICE

Riddle 14

How do you stop a rhinoceros from charging?

What To Do

Solve the addition problems below. Write your answers in simplest terms. Match each answer to a letter in the Key. Then write the letter in the space above its problem number to find the answer to the riddle.
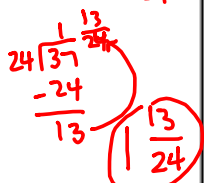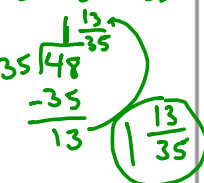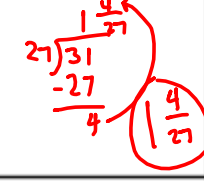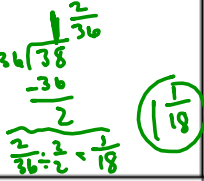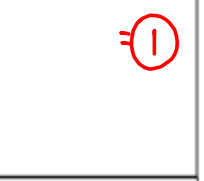
❶ $\frac{11}{15} + \frac{13}{15}$ = **R**   ❻ $\frac{23}{40} + \frac{17}{40}$ = **R**

❷ $\frac{17}{24} + \frac{20}{24}$ = **I**   ❼ $\frac{18}{19} + \frac{8}{19}$ = **D**

❸ $\frac{28}{35} + \frac{20}{35}$ = **C**   ❽ $\frac{32}{45} + \frac{42}{45}$ = **S**

❹ $\frac{22}{27} + \frac{9}{27}$ = **E**   ❾ $\frac{27}{52} + \frac{38}{52}$ = **T**

❺ $\frac{7}{36} + \frac{31}{36}$ = **D**   ❿ $\frac{26}{63} + \frac{40}{63}$ = **A**

Key
$1\frac{2}{3}$ L	$1\frac{4}{27}$ .... E	$1\frac{3}{5}$ .... R
$1\frac{13}{24}$ I	$1\frac{6}{39}$ .... O	$1\frac{7}{19}$ .... D
$1\frac{5}{8}$ .... K	$1\frac{17}{23}$ .... W	1 .... R
$1\frac{1}{18}$ .... D	$1\frac{29}{45}$ .... S	$1\frac{13}{35}$ C
$1\frac{1}{4}$ .... T	$1\frac{1}{2}$ .... M	$1\frac{1}{21}$ .... A

Riddle Answer

Take away its c **R E D I T** __ **C A R P S** __.
    ⑥④⑦②⑨ ③⑩①⑤⑧
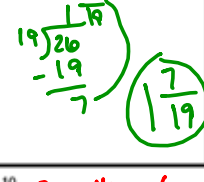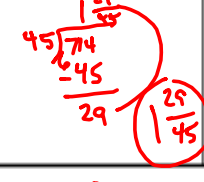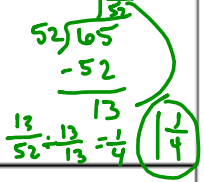
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Fractions Practice Puzzles © Bob Hugel, Scholastic Teaching Resources

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Copy each problem and show your work here.

1. $\frac{11}{15} + \frac{13}{15} = \frac{24}{15}$

$\frac{24}{15} \div \frac{3}{3} = \frac{8}{5} = 1\frac{3}{5}$

$5\overline{)8}$ $\frac{-5}{3}$ $\boxed{1\frac{3}{5}}$

2. $\frac{17}{24} + \frac{20}{24} = \frac{37}{24}$

$24\overline{)37}$ $\frac{-24}{13}$ $\boxed{1\frac{13}{24}}$

3. $\frac{28}{35} + \frac{20}{35} = \frac{48}{35}$

$35\overline{)48}$ $\frac{-35}{13}$ $\boxed{1\frac{13}{35}}$

4. $\frac{22}{27} + \frac{9}{27} = \frac{31}{27}$

$27\overline{)31}$ $\frac{-27}{4}$ $\boxed{1\frac{4}{27}}$

5. $\frac{7}{36} + \frac{31}{36} = \frac{38}{36}$

$36\overline{)38}$ $\frac{-36}{2}$ $\frac{2}{36} \div 2 = \frac{1}{18}$ $\boxed{1\frac{1}{18}}$

6. $\frac{23}{40} + \frac{17}{40} = \frac{40}{40}$

$= \boxed{1}$

7. $\frac{18}{19} + \frac{8}{19} = \frac{26}{19}$

$19\overline{)26}$ $\frac{-19}{7}$ $\boxed{1\frac{7}{19}}$

8. $\frac{32}{45} + \frac{42}{45} = \frac{74}{45}$

$45\overline{)74}$ $\frac{-45}{29}$ $\boxed{1\frac{29}{45}}$

9. $\frac{27}{52} + \frac{38}{52} = \frac{65}{52}$

$52\overline{)65}$ $\frac{-52}{13}$ $\frac{13}{52} \div \frac{13}{13} = \frac{1}{4}$ $\boxed{1\frac{1}{4}}$

10. $\frac{26}{63} + \frac{40}{63} = \frac{66}{63}$

$63\overline{)66}$ $\frac{-63}{3}$ $\frac{3}{63} \div \frac{3}{3} = \frac{1}{21}$ $\boxed{1\frac{1}{21}}$

Adding Fractions
with Unlike Denominators

VIDEO NOTES

Name _____

Unit ____ Lesson _____ Due Date _____

STEP 1: Write _____

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

unlike denominators

STEP 2: Find _____ LCD _____

least common denominator

$$\begin{array}{r|l} 4 & 4, 8, \boxed{12}, 16, 20, 24, \ldots \\ 3 & 3, 6, 9, \boxed{12}, 15, 18, \ldots \end{array}$$

smallest
same
bottom number

STEP 3: Rewrite _____
and _____ solve _____

$$\frac{2}{4} \times \frac{3}{3} = \frac{6}{12}$$

$$+ \frac{1}{3} \times \frac{4}{4} = \frac{4}{12}$$

$$\frac{10}{12} \cdot$$

STEP 4: Simplify _____

$$\frac{10}{12} \div \frac{2}{2} = \frac{5}{6}$$

1. $\dfrac{1}{7} + \dfrac{4}{2} =$

LCD = 14

$\dfrac{1}{7} \times \dfrac{2}{2} = \dfrac{2}{14}$

$7 \mid 7, 14, 21, \ldots$

$2 \mid 2, 4, 6, 8, 10, 12, 14, 16 \ldots$

$+ \dfrac{4}{2} \times \dfrac{7}{7} = \dfrac{28}{14}$

$\dfrac{30}{14} \div \dfrac{2}{2} = \dfrac{15}{7} = 2\dfrac{1}{7}$

$\begin{array}{r} 2\frac{1}{7} \\ 7\overline{)15} \\ -14 \\ \hline 1 \end{array}$

LCD = 30

2. $\dfrac{3}{6} + \dfrac{4}{10} =$

$6 \mid 6, 12, 18, 24, 30, 36 \ldots$

$10 \mid 10, 20, 30$

$\dfrac{3}{6} \times \dfrac{5}{5} = \dfrac{15}{30}$

$+ \dfrac{4}{10} \times \dfrac{3}{3} = \dfrac{12}{30}$

$\dfrac{27}{30} \div \dfrac{3}{3} = \dfrac{9}{10}$

3. $\dfrac{3}{6} + \dfrac{2}{3} =$

LCD:

$$6 \mid \overline{6, 12, 18 \ldots}$$
$$3 \mid \overline{3, 6, \ldots}$$

$$\dfrac{3}{6} = \dfrac{3}{6}$$

$$+ \dfrac{2}{3} \times \dfrac{2}{2} = \dfrac{4}{6}$$

$$\dfrac{7}{6} = 1\dfrac{1}{6}$$

$$6\overline{)7}$$

4. $\dfrac{7}{9} + \dfrac{1}{3} =$

LCD:

$$9 \mid \overline{9, 18, 27, \ldots}$$
$$3 \mid \overline{3, 6, 9 \ldots}$$

$$\dfrac{7}{9} = \dfrac{7}{9}$$

$$+ \dfrac{1}{3} \times \dfrac{3}{3} = \dfrac{3}{9}$$

$$\dfrac{10}{9} = 1\dfrac{1}{9}$$

Math Chapter 4

TITLE: Fractions

Date	Lesson	Topic/Assignment
9/28	−	Add Fractions Like Denom. Video Notes
9/29	−	Maze HW
9/29	−	Classwork Practice-Riddle WS
9/30	−	Add Fractions Unlike Denom Video Notes
9/30	−	Practice WS

Name_____

![teacher icon] ✅
PRACTICE

Unit ____ Lesson ____ Due Date _____

1. Answer: ___ $1\frac{1}{6}$ ___

$$\frac{4}{6} + \frac{1}{2} =$$

$$\frac{4}{6} = \frac{4}{6}$$

$$+ \frac{1}{2} \times \frac{3}{3} = \frac{3}{6}$$

$$\frac{7}{6} = 1\frac{1}{6}$$

LCD:

$6 \mid 6, 12...$
$2 \mid 2, 4, 6$

$6 \overline{)7} \quad \frac{-6}{1}$

2. Answer: _____

$$\frac{7}{8} + \frac{6}{4} =$$

3. Answer: _____

$$\frac{4}{12} + \frac{3}{4} =$$

4. Answer: _____

$$\frac{4}{6} + \frac{1}{12} =$$

5. Answer: ___ $1\frac{5}{28}$ ___

$$\frac{3}{4} + \frac{3}{7} =$$

$$\frac{3}{4} \times \frac{7}{7} = \frac{21}{28}$$

$$+ \frac{3}{7} \times \frac{4}{4} = \frac{12}{28}$$

$$\frac{33}{28} = 1\frac{5}{28}$$

LCD:

$4 \mid 4, 8, 12, 16, 20, 24, 28$
$7 \mid 7, 14, 21, 28$

$28 \overline{)33} \quad 1\frac{5}{28}$
$\frac{-28}{5}$

6. Answer: _____

$$\frac{11}{3} + \frac{2}{5} =$$

7.

Answer: _____

$$\frac{23}{4} + \frac{1}{3} =$$

8.

Answer: _____

$$\frac{1}{5} + \frac{4}{12} =$$

9.

Answer: _____

$$\frac{1}{12} + \frac{3}{7} =$$

10.

Answer: _____

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

11.

Answer: _____

$$\frac{7}{9} + \frac{1}{3} =$$

12.

Answer: _____

$$\frac{9}{3} + \frac{3}{8} =$$