6th Grade
Oct 1, 2020

Please get out your homework and a pen for checking.

Today we will:
-review HW
-work on practice WS

HOMEWORK:

Video notes

THQ due TOMORROW

Assignment in ALEKS due Oct 6

OPTIONAL EXTRA CREDIT in ALEKS due TOMORROW

October 1, 2020

Name_____

Unit ____ Lesson ____ Due Date _____

PRACTICE

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

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

LCD:
6 | 6, 12...
2 | 2, 4, 6

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

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

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

6 ⟌ 7 → $\frac{1}{6}$
−6
1

2. Answer: $2\frac{3}{8}$

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

LCD:
8 | 8, 16, ...
4 | 4, 8, 12, ..

$$\frac{7}{8} = \frac{7}{8}$$

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

$$\frac{19}{8} = 2\frac{3}{8}$$

8 ⟌ 19 → $2\frac{3}{8}$
−16
3

3. Answer: $1\frac{1}{12}$

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

LCD:
12 | 12, 24, ...
4 | 4, 8, 12, ..

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

$$+ \frac{3}{4} \times \frac{3}{3} = \frac{9}{12}$$

$$\frac{13}{12} = 1\frac{1}{12}$$

12 ⟌ 13 → $1\frac{1}{12}$
−12
1

4. Answer: $\frac{3}{4}$

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

LCD:
6 | 6, 12, 18, ...
12 | 12, 24, ...

$$\frac{4}{6} \times \frac{2}{2} = \frac{8}{12}$$

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

$$\frac{9}{12} \div \frac{3}{3} = \frac{3}{4}$$

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

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

LCD:
4 | 4, 8, 12, 16, 20, 24, 28
7 | 7, 14, 21, 28

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

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

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

28 ⟌ 33 → $1\frac{5}{28}$
28
5

6. Answer: $4\frac{1}{15}$

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

LCD:
3 | 3, 6, 9, 12, 15, ..
5 | 5, 10, 15, ...

$$\frac{11}{3} \times \frac{5}{5} = \frac{55}{15}$$

$$+ \frac{2}{5} \times \frac{3}{3} = \frac{6}{15}$$

$$\frac{61}{15}$$

15 ⟌ 61 → $4\frac{1}{15}$
−60
1

7.

Answer: $6\frac{1}{12}$

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

LCD:

$4\,|\,4,8,12,\ldots$
$3\,|\,3,6,9,12,\ldots$ ⟳

$\frac{23}{4} \times \frac{3}{3}$ → $\frac{69}{12}$

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

$\frac{73}{12} = 6\frac{1}{12}$

$12\overline{)73}$
$\underline{-72}$
1 → $6\frac{1}{12}$

8.

Answer: $\frac{8}{15}$

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

LCD: 60

$5\,|\,5,6,15,20,25,30,35,40,45,55,$
$12\,|\,12,24,36,49,60$

$\frac{1}{5} \times \frac{12}{12} = \frac{12}{60}$

$+ \frac{4}{12} \times \frac{5}{5} = \frac{20}{60}$

$\frac{32}{60} \div \frac{4}{4} = \frac{8}{15}$

9.

Answer: $\frac{43}{84}$

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

LCD:

$12\,|\,12,24,36,48,60,72,\,84$
$7\,|\,7,14,21,28,35,42,49,$
$56,63,70,77,\,84$

$\frac{1}{12} \times \frac{7}{7} = \frac{7}{84}$

$+ \frac{3}{7} \times \frac{12}{12} = \frac{36}{84}$

$\frac{43}{84}$

10.

Answer: $\frac{1}{2}$

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

LCD:

$5\,|\,5,\,10$
$10\,|\,10$

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

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

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

11.

Answer: $1\frac{1}{9}$

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

LCD:

$9\,|\,9,\,18$
$3\,|\,3,6,9$

$\frac{7}{9} = \frac{7}{9}$

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

$\frac{10}{9}$

$9\overline{)10}$
$\underline{-9}$
1 → $1\frac{1}{9}$

12.

Answer: $3\frac{3}{8}$

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

LCD

$3\,|\,3,6,9,12,15,18,21,24$
$8\,|\,8,16,\,24$

$\frac{9}{3} \times \frac{8}{8} = \frac{72}{24}$

$+ \frac{3}{8} \times \frac{3}{3} = \frac{9}{24}$

$\frac{81}{24} = 3\frac{9}{24} \div \frac{3}{3} = 3\frac{3}{8}$

$24\overline{)81}$
$\underline{-72}$
9 → $3\frac{9}{24}$

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
10/1	–	Practice WS2
10/2	–	Subtract Fractions Like Denom Video Notes

Let's work on this WS in class:

Name_____

PRACTICE

Unit ____ Lesson ____ Due Date _____

Add. Write each sum in simplest form.

3. $\frac{1}{3} + \frac{1}{5} =$ _____

4. $\frac{1}{2} + \frac{1}{5} =$ _____

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

6. $\frac{2}{3} + \frac{1}{6} =$ _____

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

8. $\frac{5}{8} + \frac{1}{16} =$ _____

9. $\frac{3}{5} + \frac{3}{10} =$ _____

10. $\frac{5}{8} + \frac{3}{16} =$ _____

11. $\frac{3}{5} + \frac{3}{20} =$ _____

Algebra **Find each unknown.**

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

13. $\frac{3}{16} + \frac{3}{8} = \frac{9}{y}$

14. $\frac{3}{8} + \frac{2}{5} = \frac{w}{40}$

$x =$ _____

$y =$ _____

$w =$ _____