

6th Grade
Oct 2, 2020

Please get out
yesterday's WS
and your video
notes to review.
Also get out your
THQ to turn in.

Today we will:
-review WS and
video notes
-do some examples
on white boards
-work on practice
WS in class

HOMEWORK:

Assignment in
ALEKS due Oct 6





Name _____

Unit _____ Lesson _____ Due Date _____

PRACTICE

Add. Write each sum in simplest form.

3. $\frac{1}{3} + \frac{1}{5} = \frac{8}{15}$

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

$\frac{1}{3} \times \frac{5}{5} = \frac{5}{15}$
 $+$
 $\frac{1}{5} \times \frac{3}{3} = \frac{3}{15}$

6. $\frac{2}{3} + \frac{1}{6} = \frac{5}{6}$

$\frac{2}{3} \times \frac{2}{2} = \frac{4}{6}$
 $+$
 $\frac{1}{6} \times \frac{1}{1} = \frac{1}{6}$
 $\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$

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

$\frac{3}{5} \times \frac{2}{2} = \frac{6}{10}$
 $+$
 $\frac{3}{10}$
 $\frac{6}{10} + \frac{3}{10} = \frac{9}{10}$

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

2 | 2, 4, 6, 8, 10
5 | 5, 10

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

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

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

10. $\frac{5}{8} + \frac{3}{16} = \frac{13}{16}$

$\frac{5}{8} \times \frac{2}{2} = \frac{10}{16}$
 $+$
 $\frac{3}{16}$
 $\frac{10}{16} + \frac{3}{16} = \frac{13}{16}$

5. $\frac{5}{12} + \frac{1}{4} = \frac{2}{3}$

12 | 12, 24
4 | 4, 8, 12

$\frac{5}{12} \times \frac{1}{1} = \frac{5}{12}$
 $+$
 $\frac{1}{4} \times \frac{3}{3} = \frac{3}{12}$

8. $\frac{5}{8} + \frac{1}{16} = \frac{11}{16}$

$\frac{5}{8} \times \frac{2}{2} = \frac{10}{16}$
 $+$
 $\frac{1}{16}$
 $\frac{10}{16} + \frac{1}{16} = \frac{11}{16}$

11. $\frac{3}{5} + \frac{3}{20} = \frac{3}{4}$

$\frac{3}{5} \times \frac{4}{4} = \frac{12}{20}$
 $+$
 $\frac{3}{20}$
 $\frac{12}{20} + \frac{3}{20} = \frac{15}{20} = \frac{3}{4}$

Algebra Find each unknown.

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


$\frac{7}{12} \times \frac{1}{1} = \frac{7}{12}$
 $+$
 $\frac{1}{3} \times \frac{4}{4} = \frac{4}{12}$
 $\frac{7}{12} + \frac{4}{12} = \frac{11}{12}$
 $x = \frac{11}{12}$

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

$\frac{3}{16} + \frac{3}{8} = \frac{6}{16} + \frac{6}{16} = \frac{12}{16} = \frac{3}{4}$
 $\frac{9}{y} = \frac{3}{4}$
 $y = 12$

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

$\frac{3}{8} \times \frac{5}{5} = \frac{15}{40}$
 $+$
 $\frac{2}{5} \times \frac{8}{8} = \frac{16}{40}$
 $\frac{15}{40} + \frac{16}{40} = \frac{31}{40}$
 $\frac{w}{40} = \frac{31}{40}$
 $w = 31$


 Name _____
 VIDEO NOTES Unit _____ Lesson _____ Due Date _____

SUBTRACTING FRACTIONS WITH LIKE DENOMINATORS

One Way Use models

Place seven $\frac{1}{10}$ -fraction tiles.



Remove three of the tiles.

There are 4 tiles left, which represent

$\frac{4}{10}$, or $\frac{2}{5}$.

$$\frac{4}{10} \div \frac{2}{2} = \frac{2}{5}$$

Another Way Subtract the numerators
Keep the denominator

$$\begin{aligned} \frac{7}{10} - \frac{3}{10} &= \frac{7-3}{10} \\ &= \frac{4}{10} \\ &= \frac{\boxed{2}}{\boxed{5}} \end{aligned}$$

$$\frac{4}{10} \div \frac{2}{2} = \frac{2}{5}$$

The table shows the amount of rainfall several cities received in a recent month. How much more rain did Centerville receive than Brushton? Write in simplest form.

City	Rainfall (in.)
Spring Valley	$\frac{1}{10}$
Clarksburg	$\frac{6}{10}$
Centerville	$\frac{9}{10}$
Brushton	$\frac{3}{10}$

Subtract the numerators. Keep the denominator the same.

$$\begin{aligned} \frac{9}{10} - \frac{3}{10} &= \frac{9-3}{10} \\ &= \frac{6}{10} \\ &= \frac{\boxed{3}}{\boxed{5}} \end{aligned}$$

Write in simplest form.

$$\frac{6}{10} \div \frac{2}{2} = \frac{3}{5}$$

So, $\frac{\boxed{3}}{\boxed{5}}$ inch more rain fell in Centerville than in Brushton.

WE DO:

Subtract. Write each difference in simplest form.

$$1. \frac{5}{7} - \frac{3}{7} = \frac{2}{7}$$

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

$$3. \frac{6}{9} - \frac{3}{9} = \frac{1}{3} \quad \frac{3}{9} \div \frac{3}{3} = \frac{1}{3}$$

YOU DO:

$$\frac{12}{25} - \frac{8}{25} = \frac{4}{25}$$

$$\frac{48}{50} - \frac{44}{50} = \frac{2}{25} \quad \frac{4}{50} \div \frac{2}{2} = \frac{2}{25}$$

$$\frac{95}{100} - \frac{36}{100} = \frac{59}{100} \quad \frac{95-36}{100}$$

Let's do these examples on white boards in class:

$$\frac{9}{10} - \frac{5}{10} = \frac{4}{10} = \frac{2}{5}$$

$$\frac{17}{15} - \frac{12}{15} = \frac{5}{15} \div \frac{5}{5} = \frac{1}{3}$$

$$\frac{14}{6} - \frac{6}{6} = \frac{8}{6} = 1\frac{1}{3}$$

$\frac{14}{6} = 2\frac{1}{3}$
 $\frac{6}{6} = 1$
 $2\frac{1}{3} - 1 = 1\frac{1}{3}$

Let's work on this WS individually in class:



Name _____

Unit ____ Lesson ____ Due Date _____

PRACTICE

Subtracting Like Fractions

1) $\frac{2}{3} - \frac{1}{3} =$

2) $\frac{9}{5} - \frac{7}{5} =$

3) $\frac{27}{24} - \frac{13}{24} =$

4) $\frac{20}{12} - \frac{11}{12} =$

5) $\frac{8}{9} - \frac{4}{9} =$

6) $\frac{9}{2} - \frac{7}{2} =$

7) $\frac{19}{15} - \frac{10}{15} =$

8) $\frac{7}{11} - \frac{6}{11} =$

9) $\frac{23}{4} - \frac{21}{4} =$

10) $\frac{4}{7} - \frac{1}{7} =$

11) $\frac{24}{20} - \frac{21}{20} =$

12) $\frac{16}{14} - \frac{8}{14} =$

13) $\frac{5}{8} - \frac{1}{8} =$

14) $\frac{19}{18} - \frac{14}{18} =$

