

6th Grade
Oct 13, 2020

Please get out yesterday's WS on multiplying and dividing. Leave on your desk. (Answers will be on these slides on my website today if we run out of time and you need to check them at home.)

Today we will:
-complete division problems around the room in an NFL-themed "scavenger hunt." Please listen to directions for the activity.

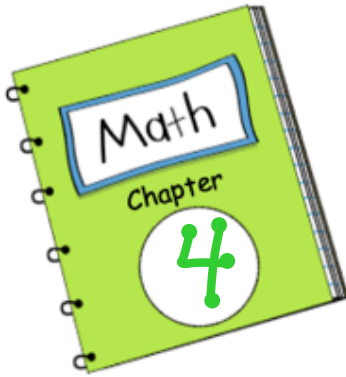
HOMEWORK:

Study guide

ALEKS-5 topics AND
60+ minutes by
Monday night 11:59pm

Test and binder
check THURSDAY





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
10/2	-	Practice WS
10/5	-	Examples and WS on Subtract Unlike Denom
10/6	-	Add and Subtract Mixed Numbers Video Notes
10/7	-	HW- Practice WS
10/7	-	HW- Practice WS #2
10/8	-	Subtract with Borrowing Video Notes and Examples
10/8	-	HW- Practice WS
10/9	3	Multiply Fractions Video Notes
10/9	3	Classwork Practice- WS
10/12	3-4	Divide Fractions In-Class Notes
10/12	3-8	Multiply and Divide Fractions HW WS
10/13	ALL	Study Guide

HOMWORK



Name _____

Unit ____ Lesson ____ Due Date ____

Multiply. Try cross-cancelling if you can! Write in simplest form.

1. $\frac{3}{10} \times \frac{7}{9}$

$\frac{\cancel{3}}{10} \times \frac{7}{\cancel{9}_3} = \frac{1 \times 7}{10 \times 3} = \frac{7}{30}$

2. $2\frac{1}{2} \times \frac{3}{5}$

$\overset{1}{\downarrow} \frac{\cancel{5}}{2} \times \frac{3}{\cancel{5}} = \frac{1 \times 3}{2 \times 1} = \frac{3}{2} = 1\frac{1}{2}$

3. $\frac{3}{4} \times 3\frac{1}{3}$

$\overset{1}{\downarrow} \frac{\cancel{3}}{4} \times \frac{\overset{5}{\cancel{10}}}{\underset{1}{\cancel{3}}} = \frac{1 \times 5}{2 \times 1} = \frac{5}{2} = 2\frac{1}{2}$

Find the reciprocal of each number. → FLIP!

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

$\frac{2}{1}$ or 2

5. 12

$\frac{1}{12}$

6. $\frac{4}{7}$

$\frac{7}{4}$ (ok to be improper)

7. $2\frac{8}{11}$

$\frac{30}{11}$ $\frac{11}{30}$

Divide. Write in simplest form.

8. $2 \div \frac{1}{3}$

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

9. $4 \div \frac{1}{2}$

$\frac{4}{1} \times \frac{2}{1} = \frac{8}{1} = 8$

10. $1 \div \frac{3}{5}$

$\frac{1}{1} \times \frac{5}{3} = \frac{5}{3} = 1\frac{2}{3}$

Divide. Write in simplest form.

11. $\frac{1}{2} \div \frac{4}{5}$

K ↓ C ↓ F ↓
 $\frac{1}{2} \div \frac{4}{5}$
 ↓ ↓ ↓
 $\frac{1}{2} \times \frac{5}{4} = \frac{5}{8}$

12. $2\frac{2}{5} \div 6\frac{1}{6}$

K ↓ C ↓ F ↓
 $2\frac{2}{5} \div 6\frac{1}{6}$
 ↓ ↓ ↓
 $\frac{2}{5} \times \frac{6}{1} = \frac{12}{5}$
 $= 2\frac{2}{5}$

13. $\frac{9}{10} \div \frac{2}{3}$

K ↓ C ↓ F ↓
 $\frac{9}{10} \div \frac{2}{3}$
 ↓ ↓ ↓
 $\frac{9}{10} \times \frac{3}{2} = \frac{27}{20}$
 $= 1\frac{7}{20}$

Divide. Write in simplest form.

14. $3 + 1\frac{1}{3}$

K ↓ C ↓ F ↓
 $1\frac{3}{4} \div \frac{3}{4}$
 ↓ ↓ ↓
 $\frac{3}{1} \times \frac{3}{4} = \frac{9}{4}$
 $= 2\frac{1}{4}$

* Change mixed #s into improper fractions

15. $4\frac{6}{7} + 3\frac{2}{5}$

K ↓ C ↓ F ↓
 $\frac{34}{7} \div \frac{5}{7}$
 ↓ ↓ ↓
 $\frac{34}{7} \times \frac{7}{5} = \frac{2 \times 5}{7 \times 1} = \frac{10}{7}$
 $= 1\frac{3}{7}$

