6th Grade
March 25, 2021

Today we will:
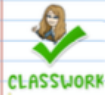
-Review HW

-Finish video notes on multiplication and division equations

-Work on homework

HOMEWORK:

Skills WS

ALEKS assignment: 60 min and 5 topics due next Monday by 11:59pm

Name_____

CLASSWORK Unit ____ Lesson ____ Due Date _____

## Lesson 2 Homework Practice
### Solve and Write Addition Equations

Solve each equation. Check your solution.

**1.** $9 + b = 24$

$-9 \quad -9$

$b = 15$

**2.** $71 + g = 145$

$-71 \quad -71$

$g = 74$

**3.** $t + 64 = 121$

$-64 \quad -64$

$t = 57$

**4.** $r + 9 = 16$

$-9 \quad -9$

$r = 7$

**5.** $138 = r + 28$

$-28 \quad -28$

$110 = r$

**6.** $16 = 11 + f$

$-11 \quad -11$

$5 = f$

**7.** $t + 1.2 = 3.4$

$-1.2 \quad -1.2$

$t = 2.2$

**8.** $1.9 + y = 4.8$

$-1.9 \quad -1.9$

$y = 2.9$

**9.** $\frac{1}{4} + b = \frac{3}{4}$

$-\frac{1}{4} \quad -\frac{1}{4}$

$b = \frac{2}{4} = \frac{1}{2}$

**10.** $w + \frac{2}{7} = \frac{5}{14} \longrightarrow \frac{5}{14}$

$-\frac{2}{7} \quad -\frac{2}{7} \times \frac{2}{2} = -\frac{4}{14}$

$w = \frac{1}{14}$

**RETAIL STORES** The table shows the monthly earnings of some of the retail stores in a city. Use the table to answer Exercises 14 and 15.

| MONTHLY RETAIL EARNINGS | |
|---|---|
| **Store** | **Earnings** |
| Sunny Spot | $52,800 |
| Griffin's Web | $43,757 |
| Kaylee's Magic | $121,113 |
| Gift's Galore | $57,532 |
| Silver Sky | ■ |
| Huntley's Creek | ■ |

**11.** Sunny Spot's earnings were $8,329 more than that of Silver Sky. Write and solve an addition equation to find Silver Sky's earnings.

$52,800 \quad +$

$x$

$52,800 = 8,329 + x$

$-8,329 \quad -8,329$

$\$44,471 = x$

# Lesson 3 Homework Practice

## Solve and Write Subtraction Equations

Solve each equation. Check your solution.

**1.** $h - 5 = 4$

$+5 \quad +5$

$h = 9$

**2.** $x - 12 = 15$

$+12 \quad +12$

$x = 27$

**3.** $g - 26 = 92$

$+26 \quad +26$

$g = 118$

**4.** $61 = c - 15$

$+15 \quad +15$

$76 = c$

**5.** $t - 17 = 29$

$+17 \quad +17$

$t = 46$

**6.** $52 = j - 8$

$+8 \quad +8$

$60 = j$

**7.** $y - 1.2 = 4.8$

$+1.2 \quad +1.2$

$y = 6.0$

**8.** $a - 3.2 = 5.5$

$+3.2 \quad +3.2$

$a = 8.7$

**9.** $d - \frac{1}{12} = \frac{5}{12}$

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

$d = \frac{6}{12} = \frac{1}{2}$

**10.** $m - \frac{3}{18} = \frac{11}{18}$

$+\frac{3}{18} \quad +\frac{3}{18}$

$m = \frac{14}{18} = \frac{7}{9}$

**11. ALGEBRA** What is the value of $m$ if $m - 629 = 521$?

$+629 \quad +629$

$m = 1150$

**12. PARKS** The Petrified Forest National Park in Arizona recently expanded their boundaries by 93,533 acres. The original acreage was 125,000. Write and solve a subtraction equation to find the new acreage of the park.

$- = -$

original = new — what was added $\downarrow n$

$125,000 = n - 93,533$

$+ 93,533 \qquad + 93,533$

$218,533 = n$

acres

**Inverse operations**
"UNDO"
EACH OTHER.

USE THESE TO SOLVE
EQUATIONS. THE
INVERSE OPERATION
OF MULTIPLICATION
IS
**division**.

THE DIVISION
PROPERTY OF
EQUALITY SAYS TWO
SIDES OF AN EQUATION
REMAIN **equal**
IF YOU DIVIDE THE
SAME NUMBER ON
**each side**.

SOLVING

MULTIPLICATION

AND

DIVISION

EQUATIONS

**Inverse operations**
"UNDO"
EACH OTHER.

USE THESE TO SOLVE
EQUATIONS. THE
INVERSE OPERATION
OF DIVISION IS
**multiplication**

THE MULTIPLICATION
PROPERTY OF
EQUALITY SAYS TWO
SIDES OF AN EQUATION
REMAIN **equal**
IF YOU
MULTIPLY THE SAME
NUMBER ON
**each side**.

Solve using inverse operations:

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

$$X = 3$$

$$\frac{13y}{13} = \frac{39}{13}$$

$$y = 3$$

$$\frac{40}{1.6} = \frac{1.6m}{1.6}$$

$$25 = m$$

$$\frac{7}{35} = \frac{35k}{35}$$

$$\frac{7}{35} = k$$

$$\frac{1}{5} = k$$

$$\frac{7}{35} \div \frac{7}{7} = \frac{1}{5}$$

## WORD PROBLEMS

Pearl has put $250 into her savings account. To do this, she made 10 deposits of the same amount. Write and solve a multiplication equation to find the amount of each deposit.

$$\frac{10 \cdot m}{10} = \frac{250}{10}$$

$$m = \$25$$

Allison is baking a pie. She wants 4.5 strawberries in each serving for 8 people. Write and solve a division equation to find how many strawberries Allison will need.

$$\frac{8}{1} \cdot \frac{x}{8} = 4.5 \cdot 8$$

$$x = 36$$

Solve using inverse operations:

$$m \div 6 = 10$$
$$\times 6 \quad \times 6$$

$$m = 60$$

$$k \div 5 = 11$$
$$\times 5 \quad \times 5$$

$$K = 55$$

$$3 \cdot \frac{a}{3} = 60 \cdot 3$$

$$a = 180$$

$$\frac{13}{1} \cdot \frac{y}{13} = 14 \cdot 13$$
$$\begin{array}{r} 14 \\ \times 13 \end{array}$$

$$y = 182$$

# Math
## Chapter 7

**TITLE:**

**Solving Equations**

| Date | Lesson | Topic/Assignment |
|------|--------|------------------|
| 3/23 | 2-3 | Addition and Subtraction Equations Video Notes |
| 3/24 | 2-3 | HOMEWORK: Skills WS |
| 3/24 | 2-3 | CLASSWORK: HW Practice WS |
| 3/25 | 4-5 | Multiplication and Division Equations Video Notes |
| 3/26 | 4-5 | HOMEWORK: Skills WS |
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Welcome to our class

IN THIS CLASSROOM
WE DON'T
*give up,*
BUT WE DO
*give our
best effort*

HARD
WORK
PAYS
OFF

WELCOME

6th Grade
Homework

Skills WS

ALEKS time and topics due by
Monday 11:59pm

HOMEWORK

Name _____

Unit ____ Lesson _____ Due Date _____

## Lesson 4 Skills Practice
### *Solve and Write Multiplication Equations*

Solve each equation. You must SHOW BALANCING (do the same inverse operation on each side) for full credit.

**1.** $3a = 9$

$$\frac{3a}{3} = \frac{9}{3}$$

$a = 3$

**2.** $7b = 14$

$$\frac{7b}{7} = \frac{14}{7}$$

$b =$

**3.** $9c = 36$

**4.** $8c = 16$

**5.** $3x = 18$

**6.** $7n = 7$

**7.** $11g = 264$

**8.** $3k = 174$

**9.** $0.25f = 10$

**10.** $\frac{3}{4} = \frac{1}{4}w$

$$\frac{\div \frac{1}{4}}{\frac{1}{4}} \quad \frac{1}{4}$$

$3 = w$

K C F

$$\frac{3}{4} \div \frac{1}{4}$$

$$\frac{3}{4} \cdot \frac{4}{1} =$$

**11. BREAD** Mrs. Dinh is dividing a loaf of bread into equal sections for herself, her husband, and their four children. If each person's serving has 210 Calories, how many Calories are in the loaf?

# Lesson 5 Skills Practice

## *Solve and Write Division Equations*

Solve each equation. Check your solution.

1. $2 \cdot 4 = \dfrac{r}{2} \cdot 2$

   $8 = r$

2. $6 = \dfrac{j}{2}$

3. $7 = \dfrac{k}{2}$

4. $4 \cdot \dfrac{p}{4} = 9 \cdot 4$

   $p = 36$

5. $\dfrac{h}{4} = 8$

6. $\dfrac{s}{51} = 6$

7. $102 = \dfrac{r}{5}$

8. $11 = \dfrac{a}{3}$

9. $12 = \dfrac{q}{14}$

10. $\dfrac{b}{15} = 2.5$

11. $2.2 = \dfrac{c}{14}$

**Write and solve a division equation.**

12. **LAWN MOWING** Ali was paid $75 for mowing a neighbor's yard. This is one fourth of the amount of money she earned all summer. How much did Ali earn all summer?