

Name: _____ Period: _____

Week 31 Homework Packet – 7th Grade Math

Score
/4

Week Score
/12

Stamp

ASSIGNMENT DUE TUESDAY, MARCH 28, 2017

Unit 3, Chapter 6 – Equations and Inequalities

For each equation below, solve for the variable. Show the step that you use to solve it! You will not receive credit if you do not show your work! An example has been done for you.

Ex) $m - 4 = 3$
 ~~$+4$~~ $+4$
 $m = 7$

1) $r + 5 = 12$

2) $5 = x - 3$

3) $d - 9 = -3$

4) $q + 8 = 5$

5) $9 = c + 9$

6) $k - 14 = 0$

7) $y - 5 = -5$

For each scenario below, write an equation to model the scenario, then solve the equation. An example has been done for you.

Ex) Lisa is cooking muffins. The recipe calls for 7 cups of sugar. She has already put in 2 cups. How many more cups does she need to put in?

$$\begin{array}{r} 2 + c = 7 \\ -2 \quad -2 \\ \hline c = 5 \end{array} \quad \text{She will need to put in 5 more cups of sugar.}$$

8) Last Friday Trevon had \$29. Over the weekend he received some money for cleaning the attic. He now has \$41. How much money did he receive?

9) Last week Julia ran 30 miles more than Pranav. Julia ran 47 miles. How many miles did Pranav run?

10) After paying \$5.12 for a salad, Norachai has \$27.10. How much money did he have before buying the salad?

11) Jenny wants to buy an MP3 player that costs \$30.98. How much change does she receive if she gives the cashier \$40?

ASSIGNMENT DUE WED/THU. MARCH 29/30. 2017

Unit 3, Chapter 6 – Equations and Inequalities

For each equation below, solve for the variable. Show the step that you use to solve it! You will not receive credit if you do not show your work! An example has been done for you.

$$\begin{array}{l} \text{Ex) } 4c = 24 \\ \quad \div 4 \quad \div 4 \\ \quad c = 6 \end{array}$$

1) $5t = 30$

2) $45 = 9x$

3) $\frac{q}{5} = 10$

4) $10w = 15$

5) $\frac{1}{3}k = 8$

6) $10 = \frac{z}{2}$

7) $9j = 14$

For each scenario below, write an equation to model the scenario, then solve the equation. An example has been done for you.

Ex) How many packages of diapers can you buy with \$40 if one package costs \$8?

$$8p = 40$$

$$\div 8 \quad \div 8$$

$$p = 5$$

You will be able to buy five packages of diapers.

8) How many boxes of envelopes can you buy with \$12 if one box costs \$3?

9) At a restaurant, Mike and his three friends decided to divide the bill evenly. If each person paid \$13 then what was the total bill?

10) Amanda and her best friend found some money buried in a field. They split the money evenly, each getting \$24.28. How much money did they find?

11) Grace wants to divide the job of writing party invitations equally among 4 committee members. If Grace has 220 invitations for the committee members to write, how many will she have each member write?

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7th Grade Math

Score

/4

Stamp

ASSIGNMENT DUE FRIDAY, MARCH 31, 2017

Unit 3, Chapter 6 – Equations and Inequalities

Solve each of the equations below. Show all work!
You will not receive a stamp if you do not show your steps.

1) $\frac{4}{5}m = 8$

2) $\frac{2}{3}r = 12$

3) $\frac{5}{8}m = -15$

4) $\frac{3}{5}k = 21$

5) $\frac{3}{4}q = -21$

6) $\frac{3}{5}a = \frac{2}{3}$

7) $\frac{2}{7}j = \frac{1}{4}$

For each scenario below, write an equation to model the scenario, then solve the equation.

8) DeShawn decides to deposit three-fourths of his paycheck into a savings account every week. This week, he deposited \$120 into the savings account. How much was his paycheck that week?

9) You are planning a battle of the bands. However, too many bands have signed up and you can only allow a certain number to perform. You decide that each band will be allowed two-fifths of an hour to perform. If the entire battle of the bands will take four hours, how many bands will be allowed to perform?

10) Four-ninths of the students at Edison Junior High School walk to school. If 248 students walk to school, how many students attend Edison Junior High School?

11) Candace used five-eighths of her savings to buy a \$531.25 laptop. How much did she have in savings before purchasing the laptop?