**One Step Equation Review**

1. Keller runs x miles **per practice** as he trains for the Jingle Jog. If he runs a total of 63 miles in 6 practices, **how far does he run in each practice?**

**Equation**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Solution: \_\_\_\_\_\_\_\_\_\_

**Work:**

2. Careen **saved** x dollars. She decided to **split that money evenly** amongst her awesome teachers. If all 6 teachers received $144, what was **the total amount** Careen had saved?

**Equation**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_\_\_

**Work:**

3. Valeria spent $7 at the mall. She has $33 left in her purse. How much money did she start off with?

Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_

Work:

4. Liam worked 16 hours last week and earned $192. The equation 16d = 192 can be used to find d, the number of dollars earned per hour. What is Liam’s hourly wage? (Show all steps.)

Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_

Work:

5. A calculator costs $2. Mrs. Bothers buys a calculator for each of her students. In total, she pays $264. How many students does Mrs. Bothers have?

Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_

Work:

6. Isaiah rode his bike 8 miles less than Ethan. Isaiah rode a total of 25 miles. How many miles did Ethan ride?

Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_

Work:

**7.** Ricardo saved $36. Then, he earned money for his allowance. If he now has $45, how much did he earn for his allowance?

Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Solution:\_\_\_\_\_\_\_\_\_

Work:

8. Max paid $152 for 8 DVDs. Each DVD was the same price. Which shows the equation that represents the situation and price of each DVD?

A.) $\frac{d}{8}=152; \$1,216 per DVD B.) d-8=152; \$160 per DVD$

C.) d + 8 = 152; $144 per DVD D.) 8d = 152; $19 per DVD

9. Solve the following equation for *a.*  $a-3.2=4.7$

10. $Solve for c. \frac{c}{5}=65$

11. Is c = 3 a solution to the equation c + 4 = 7? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. Is x = 4 a solution to the equation x - 9 = 13? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. Is w = 7 a solution to the equation 3w = 28? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. Is a = 40 a solution to the equation $\frac{a}{8}$ = 5 ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**One Step Equation Review**

1. Keller runs x miles **per practice** as he trains for the Jingle Jog. If he runs a total of 63 miles in 6 practices, **how far does he run in each practice?**

**Equation**: **6x = 63** Solution: **10.5 miles**

**Work:**

2. Careen **saved** x dollars. She decided to **split that money evenly** amongst her awesome teachers. If all 6 teachers received $144, what was **the total amount** Careen had saved?

**Equation**: **x/6 = 144** Solution: **$864**

**Work:**

3. Valeria spent $7 at the mall. She has $33 left in her purse. How much money did she start off with?

Equation: **x - 7 = 33** Solution: **40**

Work:

4. Liam worked 16 hours last week and earned $192. The equation 16d = 192 can be used to find d, the number of dollars earned per hour. What is Liam’s hourly wage? (Show all steps.)

Equation: **16d = 192** Solution: **$12**

Work:

5. A calculator costs $2. Mrs. Bothers buys a calculator for each of her students. In total, she pays $264. How many students does Mrs. Bothers have?

Equation: **2x = 264** Solution: **132**

Work:

6. Isaiah rode his bike 8 miles less than Ethan. Isaiah rode a total of 25 miles. How many miles did Ethan ride?

Equation: **x - 8 = 25**  Solution: **33**

Work:

**7.** Ricardo saved $36. Then, he earned money for his allowance. If he now has $45, how much did he earn for his allowance?

Equation: **36 + x = 45**  Solution: **9**

Work:

8. Max paid $152 for 8 DVDs. Each DVD was the same price. Which shows the equation that represents the situation and price of each DVD?

A.) $\frac{d}{8}=152; \$1,216 per DVD B.) d-8=152; \$160 per DVD$

C.) d + 8 = 152; $144 per DVD **D.) 8d = 152; $19 per DVD**

9. Solve the following equation for *a.*  $a-3.2=4.7$ Check: 7.9

 + 3.2 + 3.2 - 3.2

 **a = 7.9**  4.7

10. $Solve for c. \frac{c}{5}=65$

 **c = 325**

11. Is c = 3 a solution to the equation c + 4 = 7? **3** + 4 = 7 **Yes**

12. Is x = 4 a solution to the equation x - 9 = 13? **4** – 9 = 13 **No**

13. Is w = 7 a solution to the equation 3w = 28? 3(**7**) = 28 **No**

14. Is a = 40 a solution to the equation $\frac{a}{8}$ = 5 ? $\frac{40}{8}$ **= 5 Yes**