−1 13/14

Name: L 0 2 Date: 1-11-2021

Lesson 5.4 Inequalities and Equations

Complete with >, <, or =.

1. For $k = 4$, $3k$ (<) 15.

3 X 4 = 12

2. For $k = 5$, $7k$ (=) 35.

7 X 5 = 35

3. For $k = 6$, $6k$ (>) 30.

6 X 6 = 36

4. For $k = 10$, $8k$ (>) 50.

8 X 10 = 80

Complete with >, <, or = for $w = 7$.

5. $2w - 5$ (>) 6

2 X 7 = 14 - 5 = 9

6. $4w + 3$ (<) 36

4 X 7 = 28 + 3 = 31

7. $5w - 8$ (>) 20

5 X 7 = 35 - 8 = 27

8. $20 - 2w$ (=) 6

2 X 7 = 14

20 - 14 =

6

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Solve each equation.

9. $4n = 28$

$n = 7$

$7 \times 4 = 28$

10. $3d + 5 = 17$

$d = 4$

$3 \times 4 = 12$

$12 + 5 = 17$

11. $10w - 18 = 42$

$w = 6$

$10 \times 6 = 60$

$60 - 42 = 18$

12. $42 + 6h = 84$

$h = 7$

$7 \times 6 = 42$

$42 + 42 = 84$

13. $7m - 35 = 5 + 2m$

$-2m \quad -2m$

$5m \quad 6$

$5m - 35 = 5$

$+35 \quad +35$

$70 \quad 40$

$\frac{5m}{5} = \frac{40}{5}$

$m = 8$

14. $4k + 44 = 10k - 10$

$-4k \quad -4k$

$0 \quad 6k$

$44 = 6k - 10$

$+10k \quad +10k$

$12 \quad 16$

$\frac{12}{4} = \frac{16}{4}$

$k = 4$