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Multi Step Equations: Review Sheet

Two Step Equations: Solve for the missing variable.

3x + 11 = 20 7b – 5 = 30

7 – 2x = 51 12 + .8 b = 52

Combining Like Terms: Solve for the missing variable.

6y – 2 + 4y = 78 12 = 3j + 8 – j 7h + 3 – 2h = 28

7 = 5w – 9 – w -11c + 8 – 3c = 64

Distributive Property: Solve for the missing variable.

3 (k + 2) = 27 12 = 6 (3 + a) -15 = 5 (7 – 2r)

7 – (4y + 6) = -11 -5 ( 3d – 2) = 95 4 (3 – 2q) = 36

Variables on both sides of the equation: Solve for the missing variable.

12m = 3m + 108 5n – 4 = n 6z + 4 = 3z – 10

7r – 3 = 15 – 2r -5 – 4g = 25 – g 6 – 12y = -3y – 60

Combined Skills:

2 – 3 (c – 2 ) = -5 c ½ (2b + 4) = -3b + 26 3 (2x – 5) + 2 = 2 (2x + 3) - 5

Word Problems:

The cheerleading team washes cars to raise funds for the program. They charge $5 for a compact car, and $15 for an SUV. If they earned $175 last Saturday, and washed 20 compact cars, how many SUVs did they wash?

Songload members pay a membership fee of $25 plus $.50 per song they download. Non members can download songs for $2.50 each. After how many songs would a member’s cost be equal to a non-member’s?