Some quick notes:

Solving Equations 1

Name: Key

1 Step Equations – division (1)

Problem-Solving Situation

Matthew Stafford plans to give away 30 tickets for the Lions vs. Packers game to 6 lucky fans. How many tickets will each fan get?

1) $6t = 30$ $t = 5$

2) $12 = 3a$ $a = 4$

3) $2b = 14$ $b = 7$

4) $15 = 3r$ $r = 5$

5) $4y = 20$ $y = 5$

6) $24 = 6m$ $m = 4$

7) $9v = 27$ $v = 3$

8) $30 = 5n$ $n = 6$

9) $7x = 21$ $x = 3$

10) $24 = 8p$ $p = 3$

11) $6f = 18$ $f = 3$

12) $28 = 4s$ $s = 7$

13) $3c = 15$ $c = 5$

14) $28 = 7n$ $n = 4$

15) $9s = 36$ $s = 4$

16) $16 = 4m$ $m = 4$

17) $5n = 20$ $n = 4$

18) $72 = 8s$ $s = 9$

19) $7w = 49$ $w = 7$

20) $36 = 9h$ $h = 4$

21) $-v = 4$ $v = -4$

22) Billy Bob spent $10 to buy 5 extra value meals at Mickey D's. What is the price of each meal?

5 (number of meals) • n (price of each meal) = 10 (total cost of meals)

$5n = 10$

$n = \$2$ (extra value meal)

23) Kennedy spent $16 to buy 4 grilled cheese sandwiches. How much did each sandwich cost?

4 (number of sandwich) • n (cost of each sandwich) = 16 (total cost)

$4n = 16$

$n = \$4$ per sandwich

24) Mikayla has 24 songs downloaded on 3 playlists. How many songs are on each playlist?

3 (number of playlists) • n (songs on each playlist) = 24 (total songs)

$3n = 24$

$n = 8$ # of songs on each playlist

25) John Doe bought 5 tickets to the concert for $35. How much did each ticket cost?

5 (number of tickets) • n (cost of each ticket) = 35 (total cost of tickets)

$5n = 35$

$n = \$7$ per ticket

26) Christian bought 5 tickets to the Miami Heat game for $80. How much did each ticket cost?

5 (# of tick.) • n (cost of tick.) = 80 (total cost)

$5n = 80$

$n = \$16$ per tick.

27) Mrs Thelen has a gift card for 24 free movie rentals from Blockbuster. If she rents 3 DVDs at a time, how many trips to Blockbuster can she use the gift card?

3 (# of DVDs rented at a time) • n (# of trips to Block.) = 24 (Total # of movie rental)

$3n = 24$

$n = 8$ trips

28) Santa earned $21 for mowing 3 yards. How much money did Santa earn for each yard?

3 (# of of yards mowed) • n (money earned per # of yards) = 21 (Total $ earned)

$3n = 21$

$n = \$7$ per yd mowed

29) Robin Hood bought 8 movie tickets for him and his friends. The total cost of the tickets was $48. How much did each friend owe Robin for their ticket?

8 (# of movie tick.) • n ($ amount each friend owes) = 48 (Total cost of Tick.)

$8n = 48$

$n = \$6$ each friend owe