

Some quick notes:

Solving Equations 1

Name: _____

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. Distinguish how many tickets each fan will get?

_____		_____	=	_____
number of fans		number of tickets per fan		Total tickets given

1) $6t = 30$

2) $12 = 3a$

3) $2b = 14$

4) $15 = 3r$

5) $4y = 20$

6) $24 = 6m$

7) $9v = 27$

8) $30 = 5n$

9) $7x = 21$

10) $24 = 8p$

11) $6f = 18$

12) $28 = 4s$

13) $3c = 15$

14) $28 = 7n$

15) $9s = 36$

16) $16 = 4m$

17) $5n = 20$

18) $72 = 8s$

19) $7w = 49$

20) $36 = 9h$

21) $-v = 4$

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

_____		_____	=	_____
number of meals		price of each meal		total cost of meals

23) Kennedy spent \$16 to buy 4 grilled cheese sandwiches. Distinguish how much each sandwich cost?

_____		_____	=	_____
number of sandwich		cost of each sandwich		total cost

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

$$\frac{\text{number of playlists}}{\text{songs on each playlist}} = \frac{\text{total songs}}{\text{total songs}}$$

25) John Doe bought 5 tickets to the concert for \$35. Distinguish how much each ticket cost?

$$\frac{\text{number of tickets}}{\text{cost of each ticket}} = \frac{\text{total cost of tickets}}{\text{total cost of tickets}}$$

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

$$\frac{\text{number of tickets}}{\text{cost of each ticket}} = \frac{\text{total cost of tickets}}{\text{total cost of tickets}}$$

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

$$\frac{\text{total number of rentals}}{\text{number of rentals per trip}} = \frac{\text{total number of rentals}}{\text{total number of rentals}}$$

28) Santa earned \$21 for mowing 3 yards. Distinguish how much money Santa earned for each yard?

$$\frac{\text{total money earned}}{\text{number of yards}} = \frac{\text{total money earned}}{\text{total money earned}}$$

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

$$\frac{\text{total cost of tickets}}{\text{number of tickets}} = \frac{\text{total cost of tickets}}{\text{total cost of tickets}}$$

EXTRA PRACTICE!

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

$$\frac{\text{rentals per trip}}{\text{trips to blockbuster}} = \frac{\text{total movies}}{\text{trips to blockbuster}}$$

31) Solomon raised \$32 for the local food bank by shoveling 4 driveways. Distinguish how much he earned for each driveway he shoveled?

$$\frac{\text{total money raised}}{\text{number of driveways}} = \frac{\text{total money raised}}{\text{number of driveways}}$$

32) David spent \$35 to buy 5 pairs of shorts. Distinguish how much each pair of shorts cost?

$$\frac{\text{total money spent}}{\text{number of shorts}} = \frac{\text{total money spent}}{\text{number of shorts}}$$

33) Maria listened to 5 of her favorite CDs. Each CD had the same number of songs. Maria listened to a total of 36 songs. Distinguish how many songs were on each CD?

$$\frac{\text{total songs}}{\text{number of CDs}} = \frac{\text{total songs}}{\text{number of CDs}}$$

34) Amy's mother bought her 4 shirts for a total cost of \$36. Distinguish how much each shirt cost?

$$\frac{\text{total cost}}{\text{number of shirts}} = \frac{\text{total cost}}{\text{number of shirts}}$$

35) The 8th grade raised \$56 for charity by selling cookies. There are 7 classes and they raised an equal amount of money. Distinguish how much money each class raised?

$$\frac{\text{total money raised}}{\text{number of classes}} = \frac{\text{total money raised}}{\text{number of classes}}$$

36) Peter, Paul, and Mary bought a total of 42 lotto tickets. If they each bought the same amount, distinguish how many tickets each person bought?

$$\frac{\text{total tickets}}{\text{number of people}} = \frac{\text{total tickets}}{\text{number of people}}$$