

Multi-Step Equations - Fractions and Decimals

Sheet 3

- 1) Susan visits a grocery store. She places a few pounds of cucumber in her shopping cart. The carrots she picked weighed 2.3 pounds more than cucumber. She also bought cuts of flank steak that was four times the weight of carrots. If the total weight of all items was 35.5 pounds, how much did the cuts of flank steak weigh?

- 2) A recipe calls for two and a half cups of water, some lemon extract and orange juice which is eight times that of the lemon extract. If the recipe requires 1/4 cup of lemon extract, how much orange juice is required to prepare the orangeade?

- 3) Michelle uses up 40.1 yards of wall fabric for the living room. For the kitchen, she uses 15.2 yards. For the portico, she uses 7.5 yards. For the bedroom, she uses 12.3 yards. For the kid's room. For the hall, she uses 3.4 yards. How many yards of wall fabric did Michelle use in total?

- 4) Leslie has a voucher that gives her a 15% discount on her purchases. She purchases a wallet that costs \$40.00. How much did she pay? How much more would she have paid if she had not had the voucher? How much more would she have paid if she had not had the voucher and purchases a wallet that costs \$40.00. How much did she pay? How much more would she have paid if she had not had the voucher?

- 5) The perimeter of a pool table is 368.4 inches. The length of the table is twice of three more than its width. Find the length of the table.

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com

Answer key**Multi-Step Equations - Fractions and Decimals**

Sheet 3

- 1) Susan visits a grocery store. She places a few pounds of cucumber in her shopping cart. The carrots she picked weighed 2.3 pounds more than cucumber. She also bought cuts of flank steak that was four times the weight of carrots. If the total weight of all items was 35.5 pounds, how much did the cuts of flank steak weigh?

25.2 pounds

- 2) A recipe calls for two and a half cups of water, some lemon extract and orange juice which is eight times that of the lemon extract. If you use 1/2 cup of lemon extract, how much orange juice is required to prepare the orangeade?

$\frac{1}{2}$ cup

- 3) Michelle uses up 40.1 yards of wall fabric for the living room. For the portico, she uses 7.5 yards less than the amount she used for the living room. For the kid's room, she uses three times the amount she used for the portico. For the hall, she uses 14.03 yards. How many yards of wall fabric did Michelle use in total?

14.03 yards

- 4) Leslie has a voucher that she can use to purchase a wallet. The voucher amounted to double the amount of the wallet. If the wallet cost \$34.45 after the voucher was used, how much was the voucher worth? How much did Leslie pay for the wallet and how much was the voucher worth? How much was Leslie billed for a total of?

\$26.3

- 5) The perimeter of a pool table is 368.4 inches. The length of the table is twice of three more than its width. Find the length of the table.

124.8 inches

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com