Zack's Phone Plan

Tack is investigating phone plans and has \$20 to spend. One (we'll call it Plan A) has a prepaid phone plan that charges 15 cents for each text sent and 10 cents per minute for calls.



But another prepaid phone plan (we'll call it Plan B) charges a flat fee of \$15/month, then \$0.05 for every text sent OR minute used.

PLAN B

2 (2 4 - 6) + 1 = 3

8 = 4 + 6515

What is the best way to for him to spend \$20?

$$20 = 19 + 0.05m$$

-15 -15
 $5 = 0 + 0.05m$



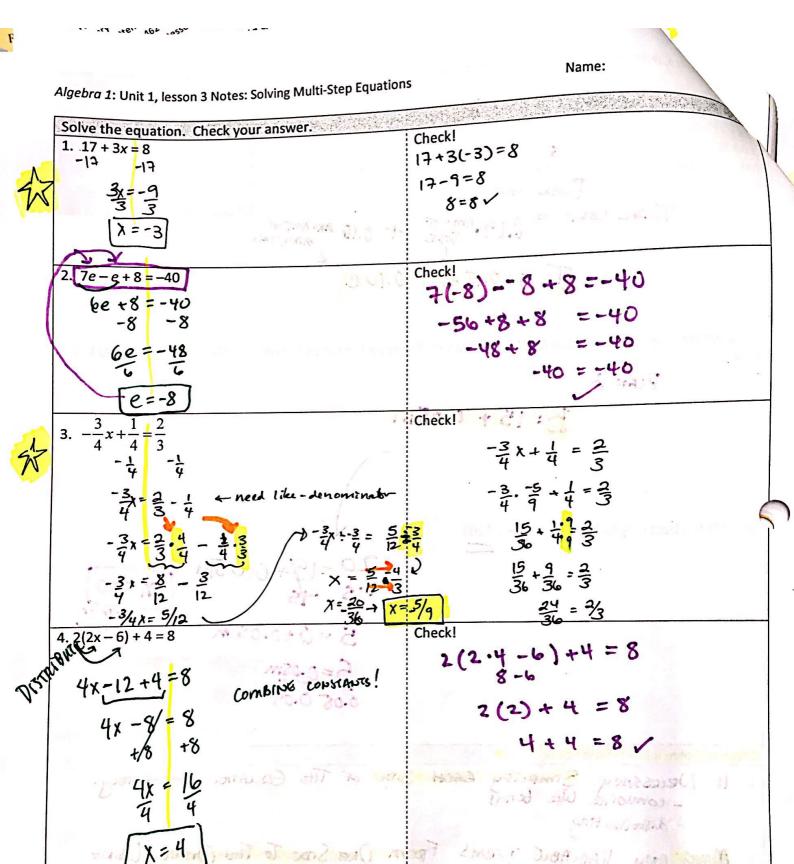
5=0.05m



Steps to Solve a Multi-Step Equation

- 1. IF NEWSSARY, SIMPLIFY EACH SIDE OF THE EQUATION SEPARATELY.

 comboine like terms
 - distributing
- 2. MOVE ANY VARIABLE TERMS FROM ONE SIDE TO THE OTHER USING ADDITION SUBTRACTIONS (inverse operations).
- 3. ISOLATE VANTAGIC USTON [INVERSE OPERATIONS PERFORMED ON BOTH STORS (MULTINAY/ DIVIDE)



6. In 4 find the value of e + 3

e=-8

W

5. In #3 find the value of #45 5x

5x

7. In # find the value of 9-3x

9-3(4)

رra 1: Unit 1,	lesson 3 Notes: Solving Multi-Step Equations

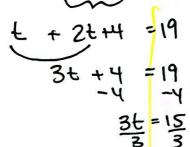
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Tom's sister is four years older than twice his age. The sum of their ages is 19. How old is Tom? How old is his sister?

Sister = 2++4 Tom + Sister = 19

t= som



51500 = 10 +4 = 14 Sisten: 2(5) +4 Tom = 5

Ticket out the Door

Your age: _____'s age: _____'s

Knowing the answers of two people's ages write a word problem for your neighbor to solve that when solved they would be able to find your age and ______'s age.