

SOLVE How will you solve the problem?

The cost of the renting room was calculated this way:

$$\boxed{\text{number of additional half hours}} \times \boxed{\text{cost for additional half hours}} + \boxed{\text{cost for first hour}} = \boxed{\text{total cost of renting game room}}$$

$$\boxed{} \times \$20 + \$65 = \$145$$

You can work backward by reversing the operations and the order.

$$(\$145 - \$65) \div \$20 = 4$$

first hour + additional half hours = total time

$$1 \text{ hour} + 4 \text{ half hours} = 3 \text{ hours}$$

So, Fahad's parents rented the game room for 3 hours.

Examples:

A- Write an equation for the word sentence.

1) Two third of a number is 18

$$\underline{\frac{2}{3} x = 18}$$

2) 12 fewer than v is 41

$$\underline{v - 12 = 41}$$

3) 4 times a number is 48

$$\underline{4 x n = 48}$$

4) 9 more than t is 32

$$\underline{t + 9 = 32}$$

B- Write a word sentence for each equation.

5) $s + 4 = 15$

4 more than s is 15

6) $\frac{1}{6} f = 12$

one sixth of a number is 12

7) $8y = 56$

8 times a number is 56

8) $q - 5 = 17$

5 fewer than 5 is 17

My Real Life

Walid bought a bag for 450 dirhams, a pencil case for 75 dirhams, and 3 similar notebooks. If he spent 615 dirhams, how much does a single notebook cost him?

Step 1: Check what you need to find. → the cost of 1 notebook

Step 2: Add the amount of money Walid spent on bag and pencil case. → $450 + 75 = 525$ dirhams.

Step 3: Subtract the previous amount from the money he spent. → $615 - 525 = 90$ Dirhams.

Step 4: Divide 90 dirhams by three in order to find how much each notebook costs. → $90 \div 3 = 30$ dirhams.

Walid spends 30 dirhams on each notebook.

