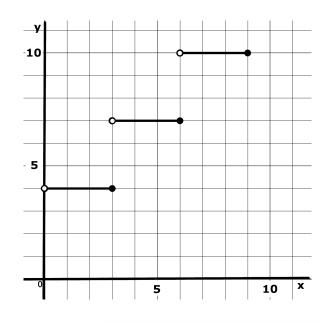
1. Using the graph at right, **predict** the value of **y when** x = 21.

1	4
/	4

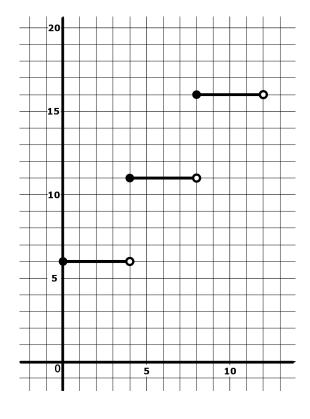
X	y
70,37	4
73,67	7
76,97	10
79,127	13
712,157	16
715,187	19
718,217	22
221,242	25



Answer: (21, 22)

2. Using the graph below, predict the value of y when x = 24

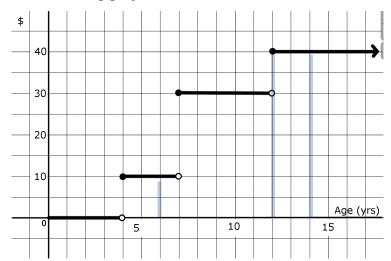
,	4
,	4.



X	y
(0,46	6
[4,8[11
[8,12[
C12,16/	21
C16,20[26
C20,24[31
C 24,28[36

Answer: $(24, \underline{36})$

3. The following graph shows the cost of a ticket to the Ecomuseum given a person's age.



/4

As part of a science fair project, Dan, Jay, Miles, Harry and Chuck visit the park.

- Dan and Jay are both 14 years old
- Miles is 12
- Harry is 4
- Chuck is 6

What will be the *total cost* for this group to visit the Ecomuseum?

Total cost 30 \$

4. The cost to park a car in an expensive lot is \$30 for the first two and a half hours and \$6.00 for each additional hour or part thereof.

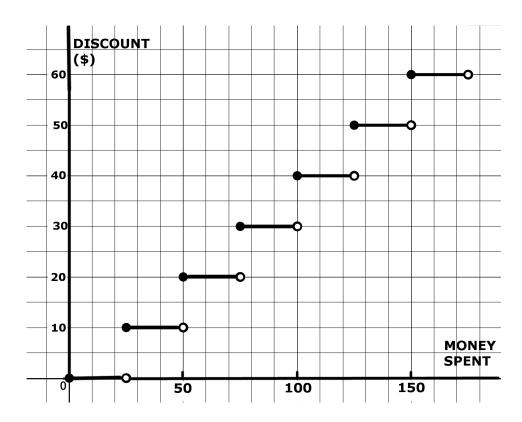
A customer uses this parking lot for **6 hours**.

How much will the customer pay for parking?

] 0, 2.5] -> 30] 2.5, 3.5] -> 36] 3.5, 4.5] -> 42] 4.5, 5.5) -> 48] 5.5, 6.5] -> 54 / 4

5. A store offers a discount of \$ 10 for every \$ 25 in purchases.

The graph shows the value of the purchases (x) and the amount of discount a customer receives (y).



/ 4

Consider the following five statements regarding the graph.

- 1) A customer who spends \$100 will receive a \$40 discount.
- 2) A customer who spends \$75 will receive a \$20 discount.
- 3) A customer will receive a \$10 discount when spending less than \$50. \times
- 4) A customer will receive twice as much of a discount when spending \$150 versus \$75. \checkmark
- 5) A customer will receive no discount when spending \$25 or less

Which of the statements above are true?

- A. 2, 3 and 5
- B. 2, 3 and 4
- C. 1, 4 and 5
- D 1 and 4

Answer:

DISCOUNT

Get \$7 off for every \$20 you spend before taxes.

Laura bought a sweater at this store and got a discount of \$ 28.

Sam bought a sweater and a pair of mittens at the same store. She got a discount of \$42. The price of the mittens was \$24.99

The price of Sam's sweater was the same as Laura's sweater.

What are the possible prices, before taxes, of the sweater Laura bought?

Answer: The possible prices, before taxes, of the sweater are:

95.01 -7 99.99