

# WGU Applied-Algebra New Test Camp - Applied-Algebra Test Book

5/12/25, 9:45 AM Applied Algebra C957 WGU - Learning Checks ACTUAL EXAM QUESTIONS WITH COMPLETE SOLUTION GUIDE) (MULTI...

## Applied Algebra C957 WGU - Learning Checks ACTUAL EXAM QUESTIONS WITH COMPLETE SOLUTION GUIDE) (MULTIPLE CHOICES) (A+ GRADED 100% VERIFIED) LATEST VERSION 2025



### Terms in this set (24)

Which choice is a variable?	C
A.The number of states in the United States of America	
B.The cost of your daily newspaper	
C.The amount a teenager makes babysitting	
D.Your shoe size	

<https://quizlet.com/1042808414/applied-algebra-c957-wgu-learning-checks-actual-exam-questions-with-complete-solution-guide-multiple-choices...> 1/11

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## WGU Applied Algebra FXO2 PFXP C957 Sample Questions (Q17-Q22):

### NEW QUESTION # 17

The function  $d(x)=14+65x$  represents the distance, in meters, from a tower to an object at time  $x$ , in seconds.

What is the value of  $d(1.5)$ ?

- A. 0
- B. 0.19
- C. 1
- D. 111.5

**Answer: D**

Explanation:

We are given the function:

$$d(x)=14+65x$$

This is a linear function because it has the form:

$$d(x)=mx+b$$

where 65 is the rate of change and 14 is the starting value.

We need to find:

$$d(1.5)$$

That means substitute  $x=1.5$  into the function:

$$d(1.5)=14+65(1.5)$$

Now multiply:

$$65(1.5)=97.5$$

Then add:

$$d(1.5)=14+97.5$$

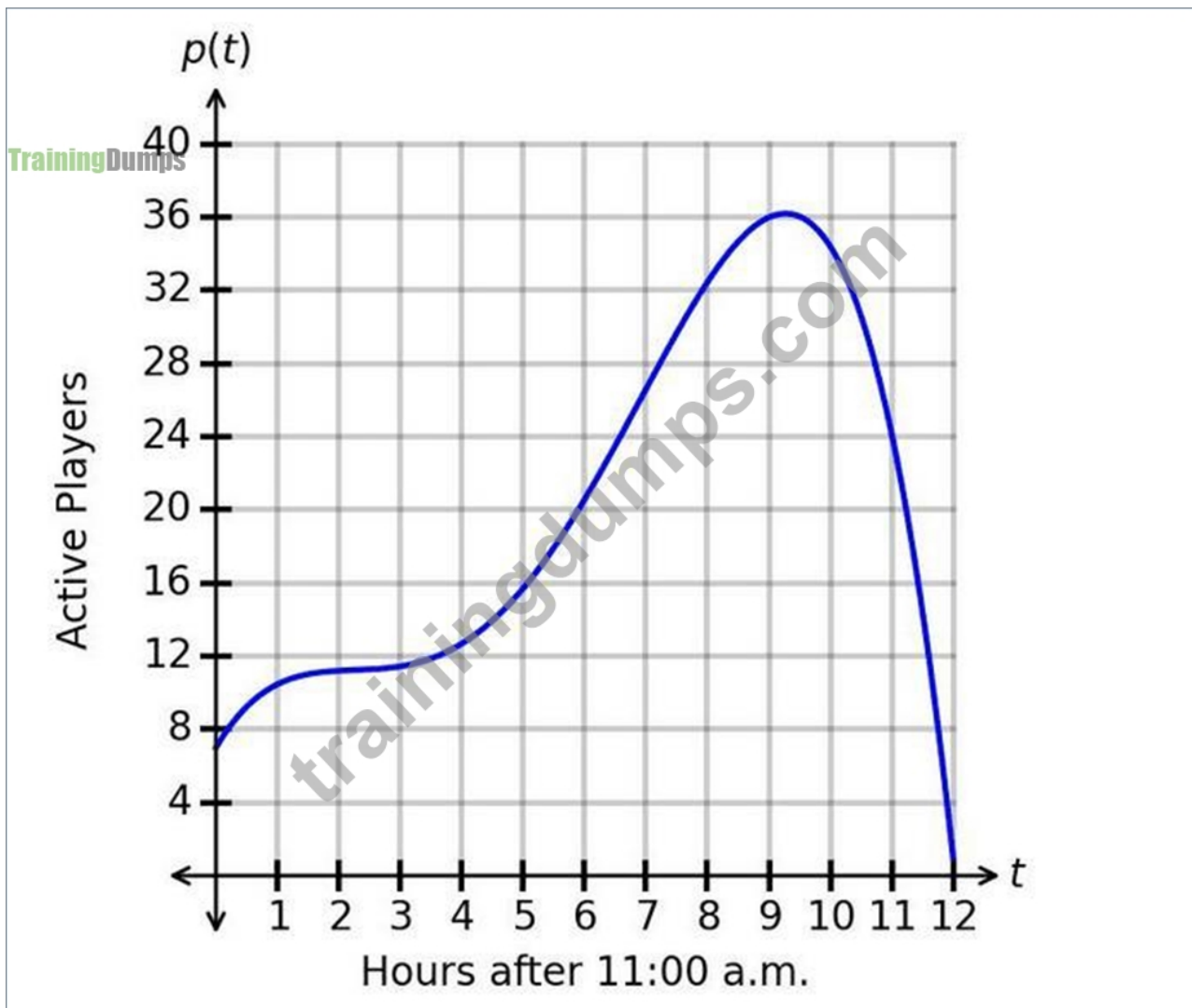
$$d(1.5)=111.5$$

So the distance from the tower to the object at 1.5 seconds is:

111.5 " meters "

### NEW QUESTION # 18

The function  $p(t)$  represents the number of active players,  $p$ , in a game  $t$  hours after 11:00 a.m. The graph of  $p(t)$  is shown.



What is one example of an interval for which the number of players is decreasing faster and faster?

- A.  $t=8.7$  to  $t=10.7$
- B.  $t=11.2$  to  $t=11.5$
- C.  $t=1.2$  to  $t=5.3$
- D.  $t=8.6$  to  $t=9.0$

**Answer: B**

Explanation:

The graph represents:

$p(t)$  = "number of active players "

where:

$t$  = "hours after 11:00 a.m. "

The phrase "decreasing faster and faster" means two things are happening:

The graph is going downward, so the number of players is decreasing.

The graph is becoming steeper downward, so the rate of decrease is increasing.

This corresponds to a graph that is decreasing and concave down.

Looking at the graph, the number of active players reaches a maximum around:

$t=9$

After that, the graph begins decreasing. Near the far right side of the graph, especially around:

$t=11.2$  " to "  $t=11.5$

the curve is dropping more and more steeply.

That means the number of players is decreasing faster and faster on that interval.

**NEW QUESTION # 19**

Consider the function  
 $w(t)=0.03t$