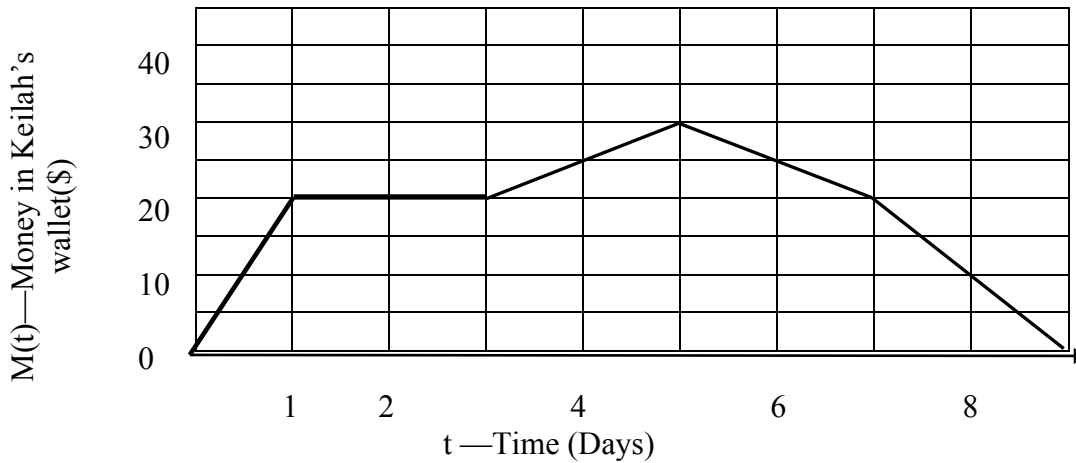


Station 1

Keilah decided to keep track of how much money (in Dollars) she had in her wallet each day for 9 days. She recorded the information on the below graph, where $M(t)$ is the amount of money on the day t .



- What is the value of $M(5)$?
- What is the contextual meaning of $M(5)$?
- For what values of t will $M(t)=25$ and what do these values mean in context?

Station 2

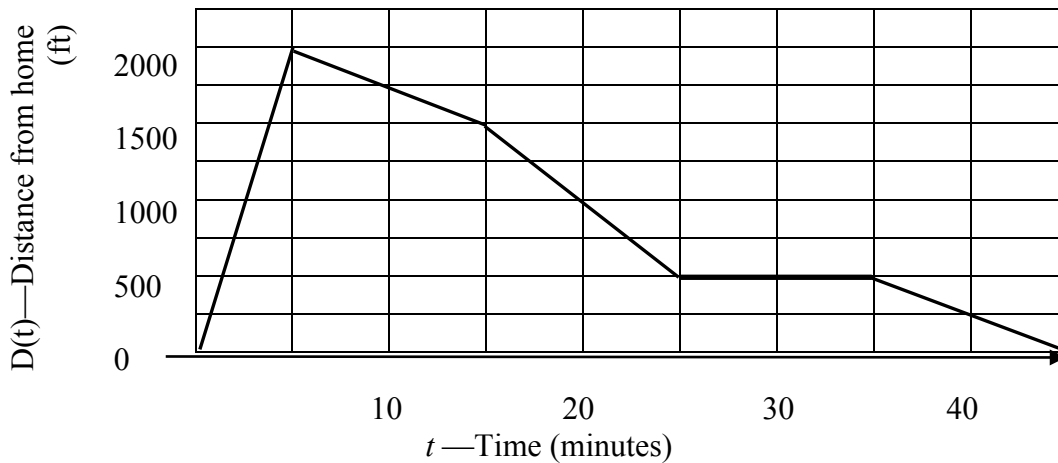
Keilah decided to keep track of how much money she had in her wallet each day for 9 days. She recorded the information on the below table, where $M(t)$ is the amount of money on the day t .

t	0	1	2	3	4	5	6	7	8	9
$M(t)$	0	20	20	20	25	30	25	20	10	0

- What is the contextual meaning of $t = 7$?
- When will $M(t) = 10$ and what is the contextual meaning of your answer?
- What is the value of $M(2)$?

Station 3

DJ is really tired of taking his dog for a walk because the dog always dashes out of the door really fast (so then he has to chase her) but takes forever to walk back home. To show his mom how annoying it is to walk the dog DJ makes the below graph of $D(t)$, showing how far away from home the dog is t minutes into the walk.



- When is $D(t)$ greater than 1000? What does your answer mean in context?
- What is the value of $D(5)$?
- When is $D(t) = 500$?

Station 4

DJ is really tired of taking his dog for a walk, because the dog always dashes out of the door really fast (so then he has to chase her) but takes forever to walk back home. To show his mom how annoying it is to walk the dog DJ makes the below table of $D(t)$, showing how far away from home the dog is t minutes into the walk.

T	0	5	10	15	20	25	30	35	40	45
$D(t)$	0	2000	1750	1500	1000	500	500	500	250	0

- a) For what value(s) of t does $D(t) = 2000$?
- b) What is the value of $D(20)$?
- c) For what values of t is $D(t)$ less than 500?

Station 5

Hoku likes to go out on his dad's boat and watch the flying fish when they jump out of the water. For an extra credit science project, he records how far above (or below) the water a specific fish seems to be during a 5-minute period. In the table below, $H(t)$ represents the fish's height above or below the water at time t minutes after he began observing.

T	0	.5	1	1.5	2	2.5	3	3.5	4	4.5	5
$H(t)$	2	3	0	-2	2	0	-1	4	1	-2	0

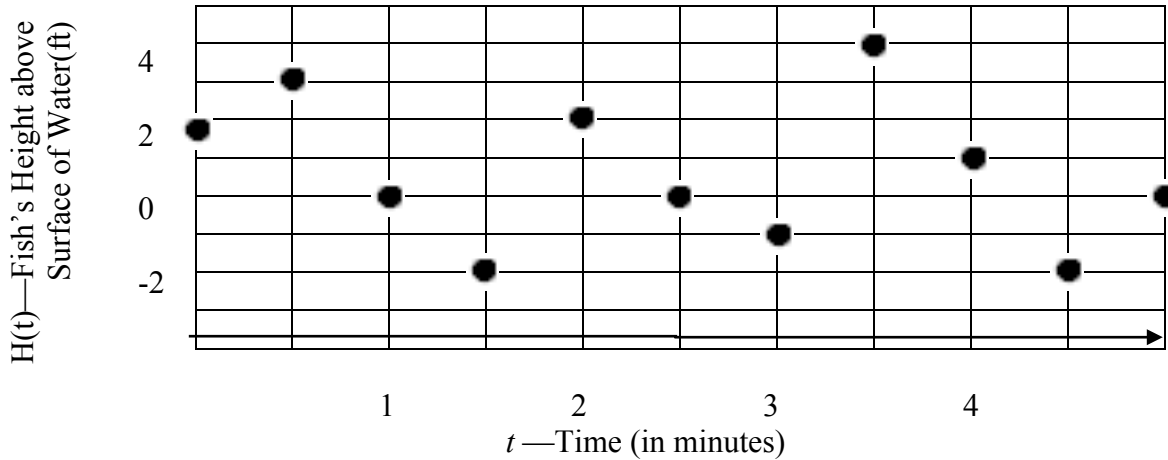
- a) What is the value of $H(4)$?

- b) For what value(s) of t is $H(t) = 1$?

- c) When is the fish underwater?

Station 6

Hoku likes to go out on his dad’s boat and watch the flying fish when they jump out of the water. For an extra credit science project, he records how far above (or below) the water a specific fish seems to be during a 5-minute period. In the graph below $H(t)$ represents the fish’s height above or below the water at time t minutes after he began observing.



- What does it mean in context for $H(t) = -2$?
- For what time is $H(t) = 0$ and what is the contextual meaning of your answer?
- Approximately what is the value of $H(2.75)$?