

Money Matters - The Ashley Club

Anyone whose name is Ashley can join the Ashley Club. Oooh! Scandalous!! Every Ashley that joins the club receives \$20, into her bank account. Even though every Ashley is given the same amount, each Ashley has a different idea on how to use her twenty bucks. Make a graph (on the same set of axes) that represents each Ashley's bank account. Use a different marking or different color pen or pencil for each person. Label each line graph with **the Ashley's last name initial** and **the equation** of the line.

On you graph paper, draw a set of axes in an "L-shape". Be sure to make your graph large enough. Let x represent the **time in days** and let y represent the **amount of money** in the bank. Mark each axes with increments of one.

Graph each situation. Label each line with each person's name. Use a different color for each line.

Ashley	Situation	What Color did you use?
A.	saves two dollars every day.	
B.	spends four dollars every day.	
H.	saves fifty cents each day.	
M.	spends two dollars a day.	
R.	saves five dollars every day.	
S.	spends twenty-five cents each day.	
V.	is not going to spend or save any money.	

	How many days to until saved \$50?
Ashley A.	
Ashley H.	
Ashley R.	

If you only had the graphs to look at, compare the accounts of Ashley A., Ashley B., and Ashley V. How would you distinguish between each person's money habits based on the lines?

If you only had the graphs to look at, how would you distinguish between each person's saving habits? Ashley A., Ashley H., and Ashley R. choose to save their money, but how does their graphs show who is saving more?

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Write an equation that models each situation. Let x represent days and y represent dollars. Each Ashley begins with \$20.

Ashley	Situation	Equation
A.	saves two dollars every day.	
B.	spends four dollars every day.	
H.	saves fifty cents each day.	
M.	spends two dollars a day.	
R.	saves five dollars every day.	
S.	spends twenty-five cents each day.	
V.	does not spend or save any money.	

Use your equation to answer each question. Write your answer as a labeled ordered pair.

4	ASHLEY M. spends two dollars a day.		Equation _____
A	Find the X-Intercept.	B	Find the Y-Intercept.
(_____ , _____)		(_____ , _____)	
Explain in words the meaning of the X-intercept and the Y-intercept.			

5	ASHLEY R. saves five dollars a day.		Equation _____
A	How much money does she have in 17 days?	B	How many days does it take to get to \$175?
(_____ , _____)		(_____ , _____)	