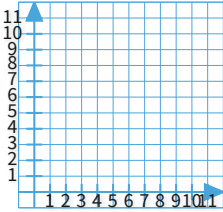


#1

Grandma is making perogies for a big family dinner tonight and has already made 2 of them. Later her daughter comes to help and makes 6 right off the bat before slowing down a steady 1 per minute. If grandma is making perogies at 2 per minute at some point both her and her daughter will have made the same number of perogies. How many perogies will they have both made? Write a system of equations, graph them, and solve the question.

Perogies



Time (minutes)

Grandma

Daughter

☐ 10
 ☐ 11

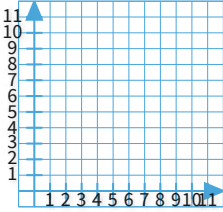
☐ 12
 ☐ 8

Show your work

#2

Caden has defeated 1 boss in Zombie Barber so far, and has been beating around 4 bosses each day. His sister has also been playing and has beaten 3 bosses. If his sister beats 3 bosses each day, how many days until they are both on the same boss? Write a system of equations, graph them, and solve the question.

Bosses Def



Time (days)

Caden

Sister

☐ 4
 ☐ 1

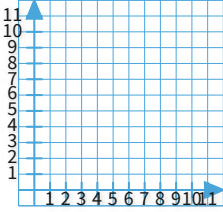
☐ 2
 ☐ 3

Show your work

#3

Mackenzie went to play lasertag at the local laser hole on afternoon. She paid \$6 for entry and \$1 for each hour she was there. Later when talking to Alexa she found out that she also went but paid \$2 for entry, and \$2 per hour. After all this they realize they both spent the exactly same amount of money. How many hours did they both spend? Write a system of equations, graph them, and solve the question.

Cost (\$)



Time (hours)

Mackenzie

Alexa

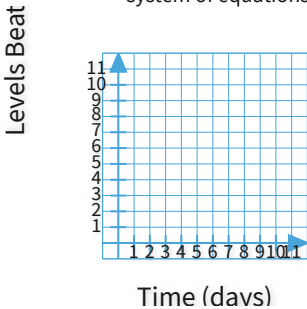
☐ 4
 ☐ 5

☐ 7
 ☐ 6

Show your work

#4

Isabelle and Avery are both playing the same game. Isabelle is on level 8 and goes through about 1 level each day. Her friend Avery is on level 5 and plays through 4 levels per day. If they pass the game on the same day, how many days until they both beat the game? Write a system of equations, graph them, and solve the question.



Isabelle

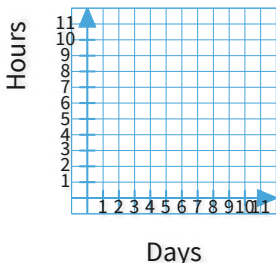
Avery

- ☐ 1
 ☐ 3
- ☐ 2
 ☐ 4

Show your work

#5

Isabelle's and Madeline's dance teacher wants them to practice a certain number of hours each week. To do this Isabelle practices 4 hours each day, but on Monday she puts in 2 hours to get a head start. Madeline dances for 4 hours on Monday and then puts in 3 hours each day. Even though Isabelle and Madeline take different approaches they both finish putting in their hours on the same day. How many hours does their dance teacher want them to practice? Write a system of equations, graph them, and solve the question.



Isabelle

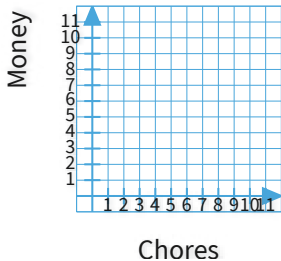
Madeline

- ☐ 10
 ☐ 9
- ☐ 13
 ☐ 11

Show your work

#6

Madison and Caleb are both saving up for the same science kit. Madison has saved \$1 so far and makes \$4 for each chore she does at home. Caleb receives \$1 for each chore at home, and has already saved \$4. How much does the science kit cost? Write a system of equations, graph them, and solve the question.



Madison

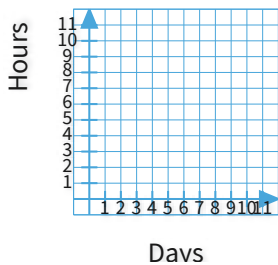
Caleb

- ☐ 3
 ☐ 6
- ☐ 5
 ☐ 2

Show your work

#7

Kaylee's and Austin's dance teacher wants them to practice a certain number of hours each week. To do this Kaylee practices 1 hour each day, but on Monday she puts in 6 hours to get a head start. Austin dances for 3 hours on Monday and then puts in 2 hours each day. Even though Kaylee and Austin take different approaches they both finish putting in their hours on the same day. How many hours does their dance teacher want them to practice? Write a system of equations, graph them, and solve the question.



Kaylee

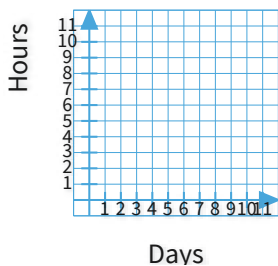
Austin

- ☐ 10
 ☐ 9
- ☐ 11
 ☐ 7

Show your work

#8

Dylan's and Jacob's dance teacher wants them to practice a certain number of hours each week. To do this Dylan practices 2 hours each day, but on Monday he puts in 3 hours to get a head start. Jacob dances for 6 hours on Monday and then puts in 1 hour each day. Even though Dylan and Jacob take different approaches they both finish putting in their hours on the same day. How many days will it take them to finish? Write a system of equations, graph them, and solve the question.



Dylan

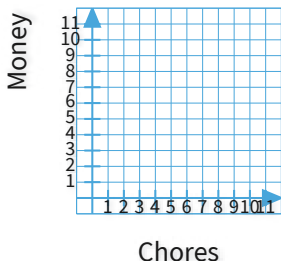
Jacob

- ☐ 5
 ☐ 3
- ☐ 6
 ☐ 2

Show your work

#9

Cameron and Samantha are both saving up for the same science kit. Cameron has saved \$5 so far and makes \$1 for each chore he does at home. Samantha receives \$2 for each chore at home, and has already saved \$1. How many chores do they each have to do until they can both afford the science kit? Write a system of equations, graph them, and solve the question.



Cameron

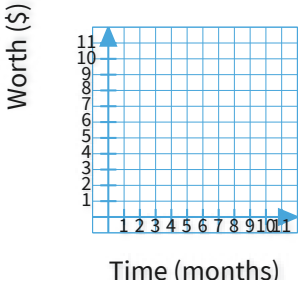
Samantha

- ☐ 4
 ☐ 2
- ☐ 3
 ☐ 6

Show your work

#10

Dayco and SupraBrite are competing companies. SupraBrite stock is currently worth \$7, and that increases by \$1 each month. Dayco stock on the other hand is currently worth \$1, which increases by about \$3 each month. Eventually their stocks will both be worth the same amount for a short amount of time. How many months before that happens? Write a system of equations, graph them, and solve the question.



SupraBrite

Dayco

☐

2

☐

6

☐

3

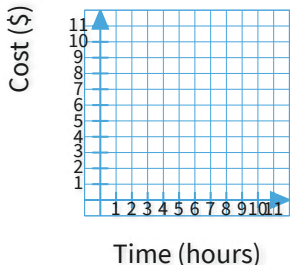
☐

5

Show your work

#11

Isabella went to play lasertag at the local laser hole on afternoon. She paid \$6 for entry and \$2 for each hour she was there. Later when talking to Dylan she found out that he also went but paid \$2 for entry, and \$4 per hour. After all this they realize they both spent the exactly same amount of money. How many much did they both spend? Write a system of equations, graph them, and solve the question.



Isabella

Dylan

☐

11

☐

10

☐

12

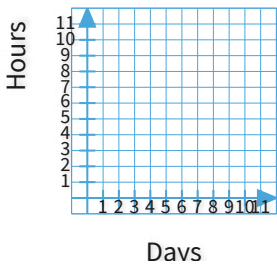
☐

13

Show your work

#12

Makayla's and Ella's dance teacher wants them to practice a certain number of hours each week. To do this Makayla practices 1 hour each day, but on Monday she puts in 5 hours to get a head start. Ella dances for 1 hour on Monday and then puts in 2 hours each day. Even though Makayla and Ella take different approaches they both finish putting in their hours on the same day. How many days will it take them to finish? Write a system of equations, graph them, and solve the question.



Makayla

Ella

☐

2

☐

7

☐

4

☐

6

Show your work

| Question | Answer   |
|----------|----------|
| #1       | choice 1 |
| #2       | choice 3 |
| #3       | choice 1 |
| #4       | choice 1 |
| #5       | choice 1 |
| #6       | choice 3 |
| #7       | choice 2 |
| #8       | choice 2 |
| #9       | choice 1 |
| #10      | choice 3 |
| #11      | choice 2 |
| #12      | choice 3 |