#1

Tyler is playing Zombie Saloon and in a single round he kills 3 zomblets (mini zombies), and 4 zomblers (monster zombies). Tyler gets a total score of 29 in the first round. In the second round Tyler receives 30 points in total for killing 5 zomblets and 3 zomblers. Find out how many points zomblets and zomblers are worth each. Write a system of equations to describe the situation below, solve using elimination.

Zomblets are worth ☐ points
and zomblers are worth ☐ points.

Show your work

#2

Matilda went to the store to buy socks. She bought 4 sport socks and 5 warm socks for $33. Next time she went to the same store she bought 2 sport socks and 3 warm socks for a total of $19. Using the data she has, find out how much each type of sock costs. Write a system of equations to describe the situation below and solve using elimination.

Sport socks cost $☐
while warm socks cost $☐.

Show your work

#3

Choose the best answer

Jack went to the store to buy socks. He bought 4 sport socks and 2 warm socks for $26. Next time he went to the same store he bought 2 sport socks and 4 warm socks for a total of $22. Using the data he has, find out how much each type of sock costs. Write a system of equations to describe the situation below and solve using elimination.

- ○ $6 per sport socks, $5 per warm socks.
- ○ $2 per sport socks, $2 per warm socks.
- ○ $7 per sport socks, $4 per warm socks.
- ○ $5 per sport socks, $3 per warm socks.

Show your work

#4

Every day Benjamin's mom goes to the store and buys apples and oranges. Yesterday she bought 2 apples and 2 oranges for $10. Then today she returned home with 4 apples and 5 oranges for $22. Assuming the price doesn't change, how much do apples and oranges cost?

Apples cost $[ ],
and oranges cost $[ ].

Show your work

#5

Choose the best answer

Write a system of equations to describe the situation below and solve using elimination. Over the last two months Samantha has been keeping track of how many cuts and colors she has done at the salon. The first month she did 2 cuts and 5 colors and made $16. The following month she made $17 by doing 3 cuts and 4 colors. How much does a cut and a color cost at Samantha's salon?

- ○ $2 haircut, $4 coloring.
- ○ $6 haircut, $3 coloring.
- ○ $3 haircut, $2 coloring.
- ○ $5 haircut, $5 coloring.

Show your work

#6

Zachary pays for a total of 21 kilowatts of power for a month of running 3 televisions and 3 refrigerators. The next month he uses a total of 18 kilowatts for 4 televisions and 2 refrigerators. How many kilowatts a month do televisions and refrigerators use? Write a system of equations to describe the situation below, solve using elimination.

Televisions use [ ] kilowatts,
while refrigerators use [ ] kilowatts.

Show your work

#7

Choose the best answer

Write a system of equations to describe the situation below and solve using elimination. Over the last two months Michael has been keeping track of how many cuts and colors he has done at the salon. The first month he did 5 cuts and 5 colors and made $30. The following month he made $20 by doing 4 cuts and 2 colors. How much does a cut and a color cost at Michael's salon?

- ○ $6 haircut, $5 coloring.
- ○ $4 haircut, $2 coloring.
- ○ $2 haircut, $3 coloring.
- ○ $3 haircut, $4 coloring.

Show your work

#8

Addison teaches both a morning and an evening math class. On the midterm 3 morning students wrote it as well as 4 evening students. A sum of all their marks gave a grand total of 20. For the final there was a grand total of 14 marks, but it was written by 2 morning students and 3 evening students. What is the average mark for both classes? Write a system of equations to describe the situation below, solve using elimination.

Morning class has an average of ☐,
but the evening class has an average of ☐.

Show your work

#9

Choose the best answer

Daniel knows he can run 2 kilometers (km) and swim 2 km in 14 minutes. To prove it he swims 4 km and runs 3 km in 24 minutes. Write a system of equations to describe the situation below, solve using elimination.

- ○ Swim 1 km in 6 mins, Run 1 km in 3 mins.
- ○ Swim 1 km in 4 mins, Run 1 km in 7 mins.
- ○ Swim 1 km in 3 mins, Run 1 km in 4 mins.
- ○ Swim 1 km in 2 mins, Run 1 km in 6 mins.

Show your work

#10

Lauren pays a total of $23 for 5 away flights and 4 return flights. The next year she pays $16 for 4 return flights and 2 away flights. How much does an away flight cost, and how much does a return flight cost? Write a system of equations to describe the situation below, solve using elimination.

An away flight costs $[ ],
while a return flight costs $[ ].

Show your work

#11

Dahlia went to the store to buy socks. She bought 3 sport socks and 5 warm socks for $22. Next time she went to the same store she bought 5 sport socks and 3 warm socks for a total of $26. Using the data she has, find out how much each type of sock costs. Write a system of equations to describe the situation below and solve using elimination.

Sport socks cost $[ ]
while warm socks cost $[ ].

Show your work

#12

Every day Benjamin's mom goes to the store and buys apples and oranges. Yesterday she bought 2 apples and 2 oranges for $10. Then today she returned home with 4 apples and 5 oranges for $22. Assuming the price doesn't change, how much do apples and oranges cost?

Apples cost $[ ],
and oranges cost $[ ].

Show your work

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