#1

Choose the best answer

Darren is playing Zombie Saloon and in a single round he kills 3 zomblets (mini zombies), and 5 zomblers (monster zombies). Darren gets a total score of 30 in the first round. In the second round Darren receives 34 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: 4
Zomblers: 2

○ Zomblets: 6
Zomblers: 4

○ Zomblets: 7
Zomblers: 6

○ Zomblets: 5
Zomblers: 3

Show your work

#2

Brayden pays for a total of 23 kilowatts of power for a month of running 4 televisions and 5 refrigerators. The next month he uses a total of 18 kilowatts for 3 televisions and 4 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

#3

Choose the best answer

Julia teaches both a morning and an evening math class. On the midterm 3 morning students wrote it as well as 5 evening students. A sum of all their marks gave a grand total of 31. For the final there was a grand total of 23 marks, but it was written by 4 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 average: 4
Evening average: 3

○ Morning average: 5
Evening average: 8

○ Morning average: 2
Evening average: 5

○ Morning average: 3
Evening average: 2

Show your work

#4

Abigail pays a total of $12 for 3 away flights and 2 return flights. The next year she pays $16 for 2 return flights and 4 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

#5

Choose the best answer

Chloe pays for a total of 21 kilowatts of power for a month of running 3 televisions and 3 refrigerators. The next month she uses a total of 32 kilowatts for 4 televisions and 5 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 3 kW, Refrigerators 4 kW.

○ Televisions 5 kW, Refrigerators 6 kW.

○ Televisions 4 kW, Refrigerators 2 kW.

○ Televisions 2 kW, Refrigerators 3 kW.

Show your work

#6

Choose the best answer

Sarah knows she can run 4 kilometers (km) and swim 5 km in 22 minutes. To prove it she swims 3 km and runs 3 km in 15 minutes. Write a system of equations to describe the situation below, solve using elimination.

○ Swim 1 km in 3 mins, Run 1 km in 4 mins.

○ Swim 1 km in 4 mins, Run 1 km in 2 mins.

○ Swim 1 km in 2 mins, Run 1 km in 3 mins.

○ Swim 1 km in 5 mins, Run 1 km in 6 mins.

Show your work

#7

Choose the best answer

Alexa pays for a total of 31 kilowatts of power for a month of running 3 televisions and 5 refrigerators. The next month she uses a total of 23 kilowatts for 4 televisions and 3 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 3 kW, Refrigerators 3 kW.

○ Televisions 4 kW, Refrigerators 2 kW.

○ Televisions 5 kW, Refrigerators 8 kW.

○ Televisions 2 kW, Refrigerators 5 kW.

Show your work

#8

Choose the best answer

Madison is playing Zombie Saloon and in a single round she kills 5 zomblets (mini zombies), and 5 zomblers (monster zombies). Madison gets a total score of 45 in the first round. In the second round Madison receives 27 points in total for killing 3 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: 5 Zomblers: 4

○ Zomblets: 7 Zomblers: 3

○ Zomblets: 2 Zomblers: 7

○ Zomblets: 8 Zomblers: 2

Show your work

#9

Kayla pays for a total of 20 kilowatts of power for a month of running 4 televisions and 4 refrigerators. The next month she uses a total of 19 kilowatts for 5 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

#10

Choose the best answer

Matilda pays a total of $31 for 4 away flights and 3 return flights. The next year she pays $37 for 3 return flights and 5 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.

○ $7 per away flight,
$6 per return flight.

○ $6 per away flight,
$4 per return flight.

○ $4 per away flight,
$5 per return flight.

○ $5 per away flight,
$3 per return flight.

Show your work

#11

Choose the best answer

Every day Cameron's mom goes to the store and buys apples and oranges. Yesterday she bought 3 apples and 4 oranges for $31. Then today she returned home with 2 apples and 3 oranges for $22. Assuming the price doesn't change, how much do apples and oranges cost?

○ $6 per Apple,
$7 per Orange

○ $2 per Apple,
$2 per Orange

○ $5 per Apple,
$4 per Orange

○ $3 per Apple,
$5 per Orange

Show your work

#12

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

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