1) Brad, a teenager, saves up his monthly allowance over a period of six months to buy a pair of high-resolution headphones. He lends his friend, Jorge $10 from his savings. If Brad has $272 now, calculate his monthly allowance.

Brad's savings after lending money = $272
Amount lent to Jorge = $10
Amount Brad saved = $272 + $10 = $282
Monthly allowance = $282 / 6 months

2) Sam divided his salary equally into two. One part was saved for his family and the other part was for his expenses. He withdrew $200 from his share to purchase a watch. If he has $215 in his account now, calculate Sam's salary.

Amount Sam withdrew = $200
Amount Sam has now = $215
Salary Sam had before withdrawal = Amount withdrawn + Amount he has now
Salary = $200 + $215 = $415

3) A total of 750 students attended a conference at Avenel High school. The attendance of the number of girls was twice that of the number of boys. How many boys attended the conference?

Let the number of boys be x.
The number of girls is 2x.
The total number of students is x + 2x = 3x.
3x = 750
x = 750 / 3
x = 250 boys attended the conference.

4) Ella bought two packs of blackberry juice for $15 and three candy bars from a store. If her total purchase was worth $45, how much did each candy bar cost?

Cost of two packs of blackberry juice = $15
Cost of three candy bars = Total purchase - Cost of blackberry juice = $45 - $15 = $30
Cost per candy bar = $30 / 3 = $10

5) Payton runs a kiosk on Route 66. Half the canned drinks in stock were sold out and empty cans were sent for recycling. Payton bought 68 more canned drinks to restock the kiosk. If there is a total of 200 cans now, how many canned drinks were in stock initially?

Total cans bought = 200 cans
Cans sold = Total cans bought / 2 = 100 cans
Cans restocked = 68 cans
Initial cans in stock = Total cans bought + Cans restocked - Cans sold
Initial cans in stock = 200 + 68 - 100 = 168 cans
1) Brad, a teenager, saves up his monthly allowance over a period of six months to buy a pair of high-resolution headphones. He lends his friend, Jorge $10 from his savings. If Brad has $272 now, calculate his monthly allowance.

\[ 6x - 10 = 272 ; \$47 \]

2) Sam divided his salary equally into two. One part was saved for his family and the other part was for his expenses. He withdrew $200 from his share to purchase a watch. If he has $215 in his account now, calculate Sam's salary.

\[ x/2 - 200 = 215 ; \$830 \]

3) A total of 750 students attended a conference at Avenel High school. The attendance of the number of girls was twice that of the number of boys. How many boys attended the conference?

\[ x + 2x = 750 ; \text{250 boys} \]

4) Ella bought two packs of blackberry juice for $15 and three candy bars from a store. If her total purchase was worth $45, how much did each candy bar cost?

\[ 15 + 3x = 45 ; \$10 \]

5) Payton runs a kiosk on Route 66. Half the canned drinks in stock were sold out and empty cans were sent for recycling. Payton bought 68 more canned drinks to restock the kiosk. If there is a total of 200 cans now, how many canned drinks were in stock initially?

\[ x/2 + 68 = 200 ; 264 \text{ cans} \]