1) Rhone purchases eggs from a local dairy farm. He finds 3 broken eggs. He uses half the remaining eggs to bake a few pancakes. If 5 eggs remain now, how many eggs did Rhone purchase from the farm?

2) Rick weighs 200.56 pounds. He began following a diet and knocked off a few pounds over a period of four months. His sister weighs 93.11 pounds. If Rick is double his sister’s weight at the end of the four month period, how many pounds did he lose?

3) In an online practice test, Sam got 11 correct answers. However, 3.5 points were deducted for incorrect answers. If he scored 18.5 points in the test, how much did he score for each correct answer?

4) Kerry takes up a delivery consignment. He delivers a few packages and one-fourth of the packages remains in the truck. This excludes 5 packages that were returned. If the truck contains 65 packages now, how many packages were there in Kerry’s original consignment?

5) Jennifer invites her friends over for a party. Her mother buys a value pack of party favors. She removes 2 damaged pieces from the entire lot and divides the rest equally in 10 goody bags. If each bag contains 7 party favors, how many party favors were there initially?
1) Rhone purchases eggs from a local dairy farm. He finds 3 broken eggs. He uses half the remaining eggs to bake a few pancakes. If 5 eggs remain now, how many eggs did Rhone purchase from the farm?

\[ \frac{1}{2}(x - 3) = 5 \]; 13 eggs

2) Rick weighs 200.56 pounds. He began following a diet and knocked off a few pounds over a period of four months. His sister weighs 93.11 pounds. If Rick is double his sister’s weight at the end of the four month period, how many pounds did he lose?

200.56 – x = 2 × 93.11; 14.34 pounds

3) In an online practice test, Sam got 11 correct answers. However, 3.5 points were deducted for incorrect answers. If he scored 18.5 points in the test, how much did he score for each correct answer?

11x – 3.5 = 18.5; 2 points

4) Kerry takes up a delivery consignment. He delivers a few packages and one-fourth of the packages remains in the truck. This excludes 5 packages that were returned. If the truck contains 65 packages now, how many packages were there in Kerry’s original consignment?

\( \frac{1}{4}x + 5 = 65 \); 240 packages

5) Jennifer invites her friends over for a party. Her mother buys a value pack of party favors. She removes 2 damaged pieces from the entire lot and divides the rest equally in 10 goody bags. If each bag contains 7 party favors, how many party favors were there initially?

\( \frac{1}{10}(x - 2) = 7 \); 72 party favors