

Name : \_\_\_\_\_

## Decimals

Sub: S1

- 1) Angie spent \$131.56 on groceries during the week preceding Christmas. Her grocery expenses amounted to only \$56.91 during the Christmas week, as she was out of town. How much more money did Angie spend on groceries during the week before Christmas than the following week?

\_\_\_\_\_

- 2) Ken and Joe attend a health camp at school. Their heights are noted as 4.01 feet and 3.71 feet respectively. What is the difference in height between Ken and Joe?

\_\_\_\_\_

- 3) Luke plays an online game and takes a total of 74.7 seconds to complete two rounds. If he took 14.6 seconds to clear round two, how much time did he take to finish round one?

\_\_\_\_\_

- 4) The tallest tree among the redwoods situated in California measures 379.7 feet. The tallest tree among the mountain-ash species in Australia stands at 326.77 feet. What is the difference in height between the two trees?

\_\_\_\_\_

- 5) Jake lives in Philadelphia and plans to attend his alumni reunion party in Connecticut, which is 190.8 miles away. He drives 105.7 miles and reaches New York City. How many more miles does Jake have to drive to reach his final destination?

\_\_\_\_\_

Name : \_\_\_\_\_

## Answer key

### Decimals

Sub: S1

- 1) Angie spent \$131.56 on groceries during the week preceding Christmas. Her grocery expenses amounted to only \$56.91 during the Christmas week, as she was out of town. How much more money did Angie spend on groceries during the week before Christmas than the following week?

**\$74.65**

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- 2) Ken and Joe attend a health camp at school. Their heights are noted as 4.01 feet and 3.71 feet respectively. What is the difference in height between Ken and Joe?

**0.3 foot**

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- 3) Luke plays an online game and takes a total of 74.7 seconds to complete two rounds. If he took 14.6 seconds to clear round two, how much time did he take to finish round one?

**60.1 seconds**

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- 4) The tallest tree among the redwoods situated in California measures 379.7 feet. The tallest tree among the mountain-ash species in Australia stands at 326.77 feet. What is the difference in height between the two trees?

**52.93 feet**

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- 5) Jake lives in Philadelphia and plans to attend his alumni reunion party in Connecticut, which is 190.8 miles away. He drives 105.7 miles and reaches New York City. How many more miles does Jake have to drive to reach his final destination?

**85.1 miles**

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Name : \_\_\_\_\_

## Decimals

Sub: S2

- 1) Victor drives a distance of 21.45 miles everyday from home to his office. He moves into a new apartment that is just 3.65 miles away from his office. Determine the distance by which Victor has lessened his commute to the office.

\_\_\_\_\_

- 2) Kent rents out an open-air pavilion to celebrate his daughter's birthday. He makes a down payment of \$125.75 at the time of reservation. The total cost of renting the pavilion for the event is \$400.25. How much more money does he need to pay when the celebrations are over?

\_\_\_\_\_

- 3) The sidewalk of a park is 1.2 miles long. A concrete section of the sidewalk spans 6.6 feet. How many more miles does the stone slab pave?

\_\_\_\_\_

- 4) American gymnast Simone Biles won a score of 62.198 points. Her compatriot, Aly Raisman, won a score of 59.598 points. What margin did Simone win by?

\_\_\_\_\_

- 5) According to official bowling rules of the Professional Bowlers Association, the circumference of a bowling ball shall not exceed 27.002 inches nor be less than 26.704 inches. What is the difference in measurement between the maximum and the minimum circumference permitted?

\_\_\_\_\_

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Name : \_\_\_\_\_

## Answer key

### Decimals

Sub: S2

- 1) Victor drives a distance of 21.45 miles everyday from home to his office. He moves into a new apartment that is just 3.65 miles away from his office. Determine the distance by which Victor has lessened his commute to the office.

**17.8 miles**

- 2) Kent rents out an open-air pavilion to celebrate his daughter's birthday. He makes a down payment of \$125.75 at the time of reservation. The total cost of renting the pavilion for the event is \$400.25. How much more money does he need to pay when the celebrations are over?

**\$274.50**

- 3) The sidewalk of a park is 10.5 miles long. A concrete section of the sidewalk spans 6.6 miles. How many more miles does the stone slab pavement cover?

**2.7 miles**

- 4) American gymnast Simone Biles won a score of 62.198 points. Her compatriot, Aly Raisman, won a score of 60.098 points. What margin did Simone win by?

**2.1 points**

- 5) According to official bowling rules of the Professional Bowlers Association, the circumference of a bowling ball shall not exceed 27.002 inches nor be less than 26.704 inches. What is the difference in measurement between the maximum and the minimum circumference permitted?

**0.298 inch**

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Name : \_\_\_\_\_

## Decimals

Sub: S3

- 1) As part of a science experiment, George had to find the individual weights of two alloy steel balls of different sizes. Put together, the steel balls weighed 2.45 pounds on the scale. If one steel ball weighed 1.29 pounds, determine the weight of the other one.

\_\_\_\_\_

- 2) The melting points of Phosphorous and Sulfur are  $111.47^{\circ}\text{F}$  and  $239.38^{\circ}\text{F}$  respectively. How much higher is the melting point of Sulfur than Phosphorous?

\_\_\_\_\_

- 3) Bob Beamon leaped 29.36 meters in the long jump event at the 1968 Olympics. Mike Powell broke the world record in the same event at the 1991 World Championships. How much further did Powell jump than Beamon?

\_\_\_\_\_

- 4) Jack, a farmer picked 12.5 pounds of raspberries to make some jam and 8.75 pounds of raspberries to make some jam. How much raspberries did Jack dispatch to the market?

\_\_\_\_\_

- 5) At the supermarket, Ashley bought two bottles of peanut butter worth \$11.67. If she used a discount coupon worth \$3.50 at the billing counter, how much money will she have to pay for her purchase?

\_\_\_\_\_

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\_\_\_\_\_ event at the 1968 Olympics. Mike Powell jumped 29.36 feet. By what factor was Powell's jump longer than Beamon's?

\_\_\_\_\_ pounds of raspberries to make some jam and 8.75 pounds of raspberries to make some jam. How much raspberries did Jack dispatch to the market?

Name : \_\_\_\_\_

## Answer key

### Decimals

Sub: S3

- 1) As part of a science experiment, George had to find the individual weights of two alloy steel balls of different sizes. Put together, the steel balls weighed 2.45 pounds on the scale. If one steel ball weighed 1.29 pounds, determine the weight of the other one.

**1.16 pounds**

- 2) The melting points of Phosphorous and Sulfur are  $111.47^{\circ}\text{F}$  and  $239.38^{\circ}\text{F}$  respectively. How much higher is the melting point of Sulfur than Phosphorous?

**127.91**

- 3) Bob Beamon leaped 29.36 meters in the long jump event at the 1968 Olympics. Mike Powell broke the world record in the same event at the 1991 World Championships. How much further did Powell jump than Beamon?

**0.17 feet**

- 4) Jack, a farmer picked 12.5 pounds of raspberries to make some jam and 1.03 pounds of raspberries to make some jam. How much raspberries did Jack dispatch to the market?

**9.47 pounds**

- 5) At the supermarket, Ashley bought two bottles of peanut butter worth \$11.67. If she used a discount coupon worth \$3.50 at the billing counter, how much money will she have to pay for her purchase?

**\$8.17**

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event at the 1968 Olympics. ed 29.36 feet. By what

pounds of raspberries to unds of raspberries did