

**Decimals**

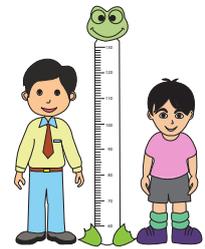
Sub: S1

- 1) Angie spent \$131.56 on groceries during the week preceding Christmas. During the Christmas week, her grocery expenses reduced to \$56.91 as she was out of town for a few days. How much more money did Angie spend on groceries during the week before Christmas than the following week?



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- 2) Sharon takes her 2 kids, Ken and Ben to the doctor's office to fill the health form given at school. Ken is 4.01 feet tall and Ben is 3.71 feet tall. How much taller is Ken than Ben?



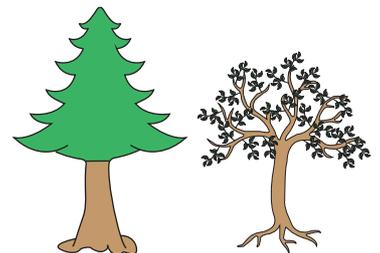
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- 3) Lily takes up a new year resolution to lose weight. She weighed 164.76 pounds on January 1st, 2017. Lily goes on a low-carb diet and works out in the gym. On January 31st, 2017, she weighs 159.34 pounds. How many pounds did Lily lose in a month?



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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?



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- 5) Jake lives in Philadelphia and plans to attend his high school reunion 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 attend his high school reunion in Connecticut?



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**Answer key****Decimals**

Sub: S1

- 1) Angie spent \$131.56 on groceries during the week preceding Christmas. During the Christmas week, her grocery expenses reduced to \$56.91 as she was out of town for a few days. How much more money did Angie spend on groceries during the week before Christmas than the following week?

**\$74.65**

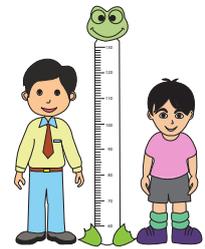
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- 2) Sharon takes her 2 kids, Ken and Ben to the doctor's office to fill the health form given at school. Ken is 4.01 feet tall and Ben is 3.71 feet tall. How much taller is Ken than Ben?

**0.3 feet**

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- 3) Lily takes up a new year resolution to lose weight. She weighed 164.76 pounds on January 1st, 2017. Lily goes on a low-carb diet and works out in the gym. On January 31st, 2017, she weighs 159.34 pounds. How many pounds did Lily lose in a month?

**5.42 pounds**

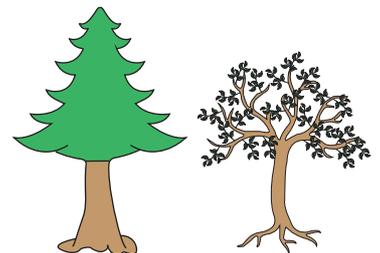
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- 4) The tallest tree among the redwoods situated in California measures 379.7 feet. The tallest tree among the mountain-ash species in Australia stands at 326.77 feet. What is the difference in height between the two trees?

**52.93 feet**

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- 5) Jake lives in Philadelphia and plans to attend his high school reunion 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 attend his high school reunion in Connecticut?

**85.1 miles**

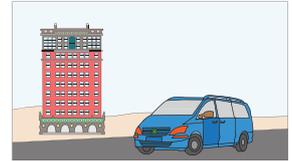
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**Decimals**

Sub: S2

- 1) Victor drives a distance of 21.45 miles from home to his office. He moves to a new apartment close to his office and now he needs to cover a distance of only 3.65 miles to work. How many miles less does Victor need to travel after moving into the new apartment?



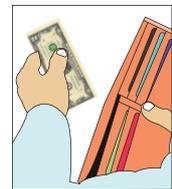
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- 2) A sidewalk of a park is paved with concrete and stone slabs. The concrete sidewalk spans 6.61 miles and the stone slab covers 9.31 miles. How many more miles does the stone slab pavement cover than the concrete pavement?



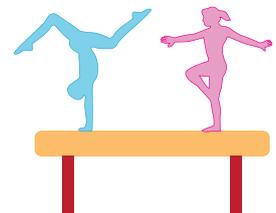
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- 3) Kent rents out an open-air pavilion to celebrate his daughter's birthday. He makes a down payment of \$125.75 at the time of reservation. The total cost of renting the pavilion for the event is \$400.25. How much more money does Kent need to pay,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



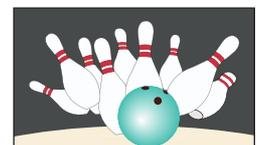
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- 4) American gymnast Simon Biles won the all-round gymnastic gold with a score of 62.198 points. Her compatriot, Aly Raisman won silver with a score of 60.098. What is the difference in points between the gold and silver medallists?



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



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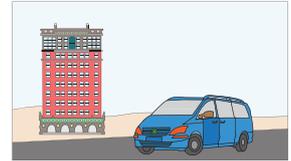
**Answer key****Decimals**

Sub: S2

- 1) Victor drives a distance of 21.45 miles from home to his office. He moves to a new apartment close to his office and now he needs to cover a distance of only 3.65 miles to work. How many miles less does Victor need to travel after moving into the new apartment?

**17.8 miles**

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- 2) A sidewalk of a park is paved with concrete and stone slabs. The concrete sidewalk spans 6.61 miles and the stone slab covers 9.31 miles. How many more miles does the stone slab pavement cover than the concrete pavement?

**2.7 miles**

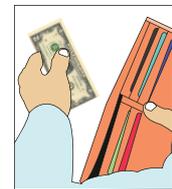
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- 3) Kent rents out an open-air pavilion to celebrate his daughter's birthday. He makes a down payment of \$125.75 at the time of reservation. The total cost of renting the pavilion for the event is \$400.25. How much more money does Kent need to pay,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

**\$274.5**

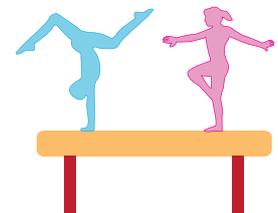
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- 4) American gymnast Simon Biles won the all-round gymnastic gold with a score of 62.198 points. Her compatriot, Aly Raisman won silver with a score of 60.098. What is the difference in points between the gold and silver medallists?

**2.1 points**

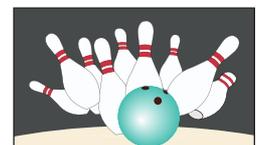
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- 5) According to official bowling rules of the Professional Bowlers Association, the circumference of a ball shall not exceed 27.002 inches nor be less than 26.704 inches. What is the difference between the maximum circumference and the minimum circumference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

**0.298 inches**

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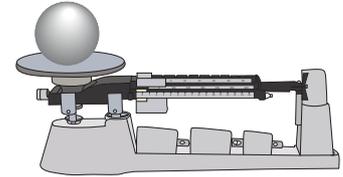


# Decimals

Sub: S3

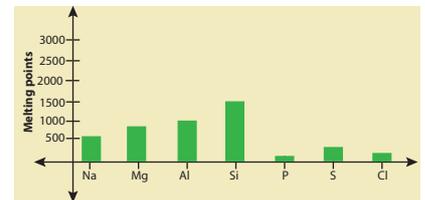
- 1) As part of a science experiment, George had to find the individual weights of two alloy steel balls of different sizes. Both steel balls together weighed 2.45 pounds on the scale. If one of the steel ball was found to weigh 1.29 pounds, what was the weight of the other steel ball?

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- 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?

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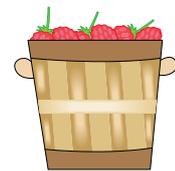
- 3) Bob Beamon leaped 8.9 m and set a world record in the long jump event at the 1968 Olympics. The 23 year old world record was broken by Mike Powell in 1991, when he jumped 8.95 m. By how many meters did Mike Powell eclipse the record set by Bob Beamon?

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- 4) Jack, a farmer picked 32.65 pounds of raspberries. His wife kept aside 11.82 pounds of raspberries to make some jam. The remaining berries were sent to the farmer's market. How many pounds did they weigh?

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- 5) Ashley purchased two bottles of peanut butter worth \$11.67 at a supermarket. She used a coupon for \$3.5 at the billing counter. How much did Ashley have to pay for her purchase?

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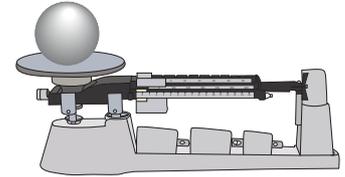


**Answer key****Decimals**

Sub: S3

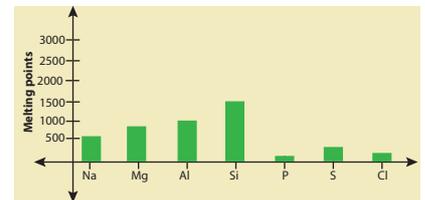
- 1) As part of a science experiment, George had to find the individual weights of two alloy steel balls of different sizes. Both steel balls together weighed 2.45 pounds on the scale. If one of the steel ball was found to weigh 1.29 pounds, what was the weight of the other steel ball?

**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?

**$127.91^{\circ}\text{F}$**



- 3) Bob Beamon leaped 8.9 m and set a world record in the long jump event at the 1968 Olympics. The 23 year old world record was broken by Mike Powell in 1991, when he jumped 8.95 m. By how many meters did Mike Powell eclipse the record set by Bob Beamon?

**0.05 meters**



- 4) Jack, a farmer picked 32.65 pounds of raspberries. His wife kept aside 11.82 pounds of raspberries to make some jam. The remaining berries were sent to the farmer's market. How many pounds did they weigh?

**20.83 pounds**



- 5) Ashley purchased two bottles of peanut butter worth \$11.67 at a supermarket. She used a coupon for \$3.5 at the billing counter. How much did Ashley have to pay for her purchase?

**\$8.17**

