| Question 1 | Sarah swam 7 times as many hours during summer break as she did during spring break. She swam a total of 56 hours during both breaks. How many hours did Sara swim during the spring break? <br> - 49 hours <br> - 9 hours <br> - 8 hours <br> - 7 hours |
| :---: | :---: |
| Question 2 | The number of solutions of a linear equation in one variable is $\qquad$ <br> - 0 <br> - 1 <br> - 2 <br> - infinite |
| Question 3 | What is the value of ' $x$ ' for $5 x-13<2 x-3$, where $x \in N$ ? <br> - \{ \} <br> - $\{1,2\}$ <br> - $\{1,2,3\}$ <br> - $\{0,1,2,3\}$ |


| Question 4 | The salary of Pankaj is ₹ $(4 x+3 y)$. If he spends ₹ $(3 x+$ y ), what is his savings? <br> - ₹ $(7 x+4 y)$ <br> - $₹(x+2 y)$ <br> - $₹(7 x+12 x y+3 y)$ <br> - $₹\left(\frac{4 x+3 y}{3 x+y}\right)$ |
| :---: | :---: |
| Question 5 | A combination of constants and variables connected by either of the four fundamental operations is called <br> - like terms <br> - unlike terms <br> - algebraic expression <br> - constant term |
| Question 6 | Avogadro's number is $6.02 \times 10^{23}$. If written in usual form, how many zeros would follow 2 ? <br> - 21 <br> - 20 <br> - 22 <br> - 23 |
| Question 7 | Cube of a negative number is always $\qquad$ <br> - 0 <br> - 1 <br> - positive <br> - negative |


| Question 8 | The heights of trees in a park range from 5 feet to 38 feet tall. Which inequality would describe the height of the trees? <br> - $\mathrm{x}<5+38$ <br> - $5<x<38$ <br> - $5>x>38$ <br> - $5<38$ |
| :---: | :---: |
| Question 9 | For a number to be a perfect square, which of these should not be in its ones place? <br> - 1 <br> - 9 <br> - 6 <br> - 8 |
| Question 10 | Two equal sides of an isosceles triangle are $(4 \mathrm{x}+1)$ units and $(3 x+7)$ units, respectively. If the third side is $(2 x+3)$ units, then what is its perimeter? <br> - 50 units <br> - 55 units <br> - 60 units <br> - 65 units |

## Answers

| Answer 1 | 7 hours |
| :--- | :--- |
| Answer 2 | 1 |
| Answer 3 | $\{1,2,3\}$ |
| Answer 4 | $₹(x+2 y)$ |
| Answer 5 | algebraic expression |
| Answer 6 | 21 |
| Answer 7 | negative |
| Answer 8 | $5<\mathrm{x}<38$ |
| Answer 9 | 8 |
| Answer 10 | 65 units |

