



Grade 7 Integers

Q1) Arrange the following number in ascending order:

- i) +22, -86, -256, +456
- ii) -98, -768, 123, -657, +92

Q2) Find the values of the following:

- i) $(-112) + (+57)$ ii) $(-279) + (-976)$
- iii) $(-427) - (-138)$ iv) $(-72) / (+18)$

Q3) Simplify the following:

- i) $|-37| - |-59|$
- ii) $43 - (-26) - 49 + (-17) + 11 - (-4)$
- iii) $20 - \{21 - 24 / (6 + 3 \times 7 - 5 \times 3)\}$
- iv) 5 of $[-3 - 7 / \{5 \times (-2 + 9)\}]$

Q4) Solve using suitable properties:

- i) $(-19) \times (-21)$
- ii) $425 \times (-15) + (-425) \times 85$
- iii) $8 \times (-183) \times (-125)$
- iv) $(-71) \times (-19) + 71$

Q5) In a test (+4) marks are given for correct answers, (-2) for incorrect and no marks for non-attempted questions. Shreya answered all the questions and scored 50 though she got 20 correct answers. How many incorrect answers did she attempted?



Answer key

A1) i) -256, -86, 22, 456

ii) -768, -657, -98, 92, 123

A2) i) -55 ii) -1255 iii) -289 iv) -4

A3) i) -22 ii) 18 iii) 1 iv) -16

A4) i) 399 Hint $19(20+1)$) Distributive property

ii) -42500 Hint $425 \times (15+85)$ Distributive property

iii) -183000 Hint $-183 \times (8 \times 125)$ Associative Property

iv) 1420 Hint $\{71 \times (19+1)\}$) Distributive property

A5) 15