



Question bank

Grade 7- Mathematics

Chapter 1- Integers

A. Choose the correct option.

1) Which of these is the biggest number?

- a) $35+7$ b) 35×7 c) $35\div 7$ d) $35-7$

2) Which of these is equal to $5 + (-7)$

- a) -12 b) -2 c) 2 d) 12

3) Which of these is a true statement?

- a) $a + 0 = 0 + a$ b) $a - 0 = 0 - a$ c) $a + 0 = 0 - a$ d) $a \div 0 = 0 \div a$

4) Which property of subtraction of integers is satisfied?

- a) closure b) commutative c) associative d) zero

5) Which of these is the distributive property of multiplication over addition?

- a) $a + (b + c) = (a + b) + c$ b) $a \times (b \times c) = (a \times b) \times c$
c) $a + (b \times c) = (a + b) \times (a + c)$ d) $a \times (b + c) = (a \times b) + (a \times c)$

B. State whether true or false.

- 1) Any negative integer is less than any positive integer.
- 2) Commutative property holds good for subtraction of integers.
- 3) Any integer multiplied by 1 gives the integer itself.
- 4) An integer divided by itself gives 1.
- 5) In the number line, -5 lies to the right of 8.

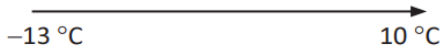
C. Fill in the blanks.

- 1) $56 + 5 = 5 +$ _____
- 2) $-7 + 0 =$ _____
- 3) $0 \div 54 =$ _____
- 4) $98 + (-1) =$ _____
- 5) $-65 \div (-65) =$ _____
- 6) $56 \times$ _____ $= 56$
- 7) $40 \div (-1) =$ _____
- 8) $41 + (-41) =$ _____
- 9) $13 \times 2 =$ _____ $\times 13$
- 10) $90 \times (-12 + 12) =$ _____
- 11) $-2 + (-5) =$ _____
- 12) $-9 + (+12) =$ _____
- 13) $56 \times$ _____ $= 0$

D. Answer the following questions.

- 1) Simplify using suitable properties.
- a) $[-43 + (-12)] + 10$ b) $[(-90+3) + 86$ c) $[-31 + 21] + (-21)$
d) $[-89 + 40] + 89$ e) $-100 + [100 + (-52)]$ f) $[45 + 82] + (55)$
- 2) Find the product.
- a) $(-8) \times (-2) \times (0) \times (-5) = \underline{\hspace{2cm}}$ b) $(-3) \times (-1) \times (5) \times (-4) \times 1$
- 3) Use the distributive law to simplify and work out the following.
- a) $213 \times 13 - 213 \times 3$ b) $74 \times 45 + 74 \times 55$ c) $(-2) \times (-8) \times (-1) \times 5$
- 4) State the sign of the product without multiplying.
- a) $5 \times 7 \times (-5) \times (-2)$ b) $-6 \times (-9) \times (-12)$ c) $1 \times (-3) \times (-8) \times 6$
- 5) By what number will you multiply:
- a) 30 to get -90 b) -20 to get 100 c) -50 to get 0
- 6) Divide.
- a) $(-45) \div 15$ b) $14 \div (-7)$ c) $(234) \div (-3)$ d) $-108 \div 9$

E. Answer the questions.

- 1) A crane carries a load of rocks from a level of -5m (taking ground level as 0) raises it to a level of +3m. What is the total distance through which the load is raised?
- 2) The temperature of a place rose from -13°C to 10°C . What is the rise in temperature?
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- 3) From a basket of flowers, Maanasi takes away 3 flowers four times. How many flowers does she take away? Represent the number as an integer.
- 4) A diving board of swimming pool is at a height of 3m from the ground level. The depth of the swimming pool is 5m. What is the distance between the diving board and the bed of the swimming pool?

THE END