

FM → 15

Time → 30 min

A Choose the correct option $[4 \times 1 = 4]$

1. Write a negative integer and a positive integer whose difference is -3

- (a) $(2, -2)$ (b) $(-1, 2)$ (c) $(1, 2)$ (d) $(-8, 5)$

2. $(-6) \times 6 \times (-10) =$

- (a) 60 (b) 360 (c) -360 (d) 120

3. The additive inverse of -6 is

- (a) $\frac{1}{6}$ (b) $-\frac{1}{6}$ (c) 6 (d) 5

4. How much less than -2 is -8

- (a) -6 (b) 6 (c) 10 (d) -10

B State whether the following statements are true or false $[3 \times 1 = 3]$

(1) The sum of a negative integer and a positive integer is ^{always} a positive integer.

(2) $(-8) \div 0 = 0$

- ③ Every integer when multiplied with -1 gives its additive inverse.

☐ Fill in the blanks $[2 \times 1 = 2]$

① $-36 \div () = -4$

② $(-60) - () = -59$

☐ Answer the following questions

① Subtract -134 from the sum of 38 and -87 $[2]$

② Simplify using suitable property (Also write the name of property properly)

$$(-26) \times 72 + (-26) \times 28 \quad [2]$$

③ A submarine left the surface of water at the rate of -2 metres per second. At that rate, how long would it take to reach -60 metres level? $[2]$