

EduSahara™ Learning Center Assignment**Grade : Class VII, SSC****Chapter : Integers****Name : Properties of Integers****Licensed To : Teachers and Students for non-commercial use**

1. Which of the following are true?

- a) $8 \times 5 = 5 \times 8$
 - b) $11 - 15 = 15 - 11$
 - c) $5 + 11 = 11 + 5$
 - d) $15 \div 8 = 8 \div 15$
- (i) {b,c,a} (ii) {d,c} (iii) {b,d,a} (iv) {a,c} (v) {b,a}
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2. Which of the following are true?

- a) $17 \div (6 \div 2) = (17 \div 6) \div 2$
 - b) $2 + (16 + 17) = (2 + 16) + 17$
 - c) $16 - (17 - 6) = (16 - 17) - 6$
 - d) $6 \times (2 \times 16) = (6 \times 2) \times 16$
- (i) {c,d} (ii) {a,c,b} (iii) {a,b} (iv) {a,d,b} (v) {b,d}
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3. Which of the following are true?

- a) $16 - (10 \times 4) = (16 - 10) \times (16 - 4)$
 - b) $10 \div (4 + 18) = (10 \div 4) + (10 \div 18)$
 - c) $18 \times (16 - 10) = (18 \times 16) - (18 \times 10)$
 - d) $4 \times (18 + 16) = (4 \times 18) + (4 \times 16)$
- (i) {c,d} (ii) {b,d} (iii) {a,c} (iv) {a,d,c} (v) {a,b,c}
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4. Which of the following are true?

- a) Subtraction is closed under whole numbers
 - b) Addition is closed under whole numbers
 - c) Multiplication is closed under whole numbers
 - d) Division is closed under whole numbers
- (i) {a,c,b} (ii) {b,c} (iii) {a,b} (iv) {a,d,b} (v) {d,c}
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5. Which of the following are true?

- a) Multiplication is closed under integers
- b) Addition is closed under integers
- c) Subtraction is closed under integers

d) Division is closed under integers

(i) $\{d, c\}$ (ii) $\{d, a, b\}$ (iii) $\{d, a\}$ (iv) $\{a, b, c\}$ (v) $\{d, b\}$

Assignment Key

- 1) (iv)
- 2) (v)
- 3) (i)
- 4) (ii)
- 5) (iv)