EduSahara™ Assignment

Name : Properties of Integers

Chapter : Integers

Grade : ICSE Grade VI

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1. Which of the following are true?

   a) $7 \div 2 = 2 \div 7$
   b) $12 - 7 = 7 - 12$
   c) $2 \times 4 = 4 \times 2$
   d) $4 + 12 = 12 + 4$

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

2. Which of the following are true?

   a) $3 \div (13 \div 5) = (3 \div 13) \div 5$
   b) $16 - (3 - 13) = (16 - 3) - 13$
   c) $5 + (16 + 3) = (5 + 16) + 3$
   d) $13 \times (5 \times 16) = (13 \times 5) \times 16$

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

3. Which of the following are true?

   a) $7 - (12 \times 17) = (7 - 12) \times (7 - 17)$
   b) $12 \div (17 + 11) = (12 \div 17) + (12 \div 11)$
   c) $17 \times (11 + 7) = (17 \times 11) + (17 \times 7)$
   d) $11 \times (7 - 12) = (11 \times 7) - (11 \times 12)$

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

4. Which of the following are true?

   a) integers are closed under subtraction
   b) integers are closed under division
   c) integers are closed under addition
   d) integers are closed under multiplication

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

5. Which of the following are true?

   a) $9 \div 16 = 16 \div 9$
   b) $18 + 5 = 5 + 18$
   c) $5 - 9 = 9 - 5$
   d) $16 \times 18 = 18 \times 16$

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

6. Which of the following are true?

a) $3 \div (15 \div 11) = (3 \div 15) \div 11$
b) $15 \times (11 \times 13) = (15 \times 11) \times 13$
c) $11 + (13 + 3) = (11 + 13) + 3$
d) $13 - (3 - 15) = (13 - 3) - 15$

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

7. Which of the following are true?

a) $16 - (3 \times 12) = (16 - 3) \times (16 - 12)$
b) $6 \times (16 - 3) = (6 \times 16) - (6 \times 3)$
c) $3 \div (12 + 6) = (3 \div 12) + (3 \div 6)$
d) $12 \times (6 + 16) = (12 \times 6) + (12 \times 16)$

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

Assignment Key

1) (iii)	2) (iii)	3) (v)	4) (iv)	5) (v)	6) (v)
7) (ii)					

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