EduSahara™ Assignment

Name : Properties of Integers

Chapter : Number System

Grade : ICSE Grade VII

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1. Which of the following are true?

   a) $5\times13=13\times5$
   b) $17-19=19-17$
   c) $13+17=17+13$
   d) $19\div5=5\div19$

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

2. Which of the following are true?

   a) $10\times(8\times3)=(10\times8)\times3$
   b) $8+(3+17)=(8+3)+17$
   c) $3-(17-10)=(3-17)-10$
   d) $17\div(10\div8)=(17\div10)\div8$

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

3. Which of the following are true?

   a) $5-(10\times2)=(5-10)\times(5-2)$
   b) $2\times(6+5)=(2\times6)+(2\times5)$
   c) $6\times(5-10)=(6\times5)-(6\times10)$
   d) $10\div(2+6)=(10\div2)+(10\div6)$

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

4. Which of the following are true?

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

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

5. Which of the following are true?

   a) $3\div17=17\div3$
   b) $17\times11=11\times17$
   c) $11+6=6+11$
   d) $6-3=3-6$

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

6. Which of the following are true?

a) $10+(19+14)=(10+19)+14$
b) $19-(14-13)=(19-14)-13$
c) $13\times(10\times19)=(13\times10)\times19$
d) $14\div(13\div10)=(14\div13)\div10$

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

7. Which of the following are true?

a) $12\times(9+14)=(12\times9)+(12\times14)$
b) $14-(10\times12)=(14-10)\times(14-12)$
c) $10\div(12+9)=(10\div12)+(10\div9)$
d) $9\times(14-10)=(9\times14)-(9\times10)$

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

Assignment Key

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

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