EduSahara™ Assignment

Name : Properties of Integers

Chapter : Numbers

Grade : ICSE Grade VIII

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1. Which of the following are true?

   a) $12+3=3+12$
   b) $19\div6=6\div19$
   c) $3-19=19-3$
   d) $6\times12=12\times6$

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

2. Which of the following are true?

   a) $13\times(5\times14)=(13\times5)\times14$
   b) $10\div(13\div5)=(10\div13)\div5$
   c) $5+(14+10)=(5+14)+10$
   d) $14-(10-13)=(14-10)-13$

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

3. Which of the following are true?

   a) $19\times(12-7)=(19\times12)-(19\times7)$
   b) $12-(7\times15)=(12-7)\times(12-15)$
   c) $7\div(15+19)=(7\div15)+(7\div19)$
   d) $15\times(19+12)=(15\times19)+(15\times12)$

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

4. Which of the following are true?

   a) $18\div4=4\div18$
   b) $5-18=18-5$
   c) $4\times7=7\times4$
   d) $7+5=5+7$

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

5. Which of the following are true?

   a) $12+(9+13)=(12+9)+13$
   b) $3\times(12\times9)=(3\times12)\times9$
   c) $13\div(3\div12)=(13\div3)\div12$
   d) $9-(13-3)=(9-13)-3$

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

6. Which of the following are true?

a) $10 \div (4+17) = (10 \div 4) + (10 \div 17)$
b) $17 \times (11-10) = (17 \times 11) - (17 \times 10)$
c) $11 - (10 \times 4) = (11-10) \times (11-4)$
d) $4 \times (17+11) = (4 \times 17) + (4 \times 11)$

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

7. Which of the following are true?

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

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

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

Assignment Key

1) (iii)	2) (v)	3) (iv)	4) (ii)	5) (iii)	6) (iv)
7) (v)	8) (ii)				

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