Name : Properties of Integers

Chapter: Integers

Grade: CBSE Grade VII

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- 1. Which of the following are true?
  - a) 14-5=5-14
  - b)  $5 \div 12 = 12 \div 5$
  - c) 13+14=14+13
  - d)  $12 \times 13 = 13 \times 12$
  - (i) {a,c} (ii) {a,d,c} (iii) {a,b,c} (iv) {b,d} (v) {c,d}
- 2. Which of the following are true?
  - a) 10-(14-13)=(10-14)-13
  - b)  $14 \div (13 \div 19) = (14 \div 13) \div 19$
  - c) 19+(10+14)=(19+10)+14
  - d)  $13 \times (19 \times 10) = (13 \times 19) \times 10$
  - (i) {a,b,c} (ii) {b,d} (iii) {c,d} (iv) {a,d,c} (v) {a,c}
- 3. Which of the following are true?
  - a)  $7 \div (16+10) = (7 \div 16) + (7 \div 10)$
  - b)  $5-(7\times16)=(5-7)\times(5-16)$
  - c)  $10 \times (5-7) = (10 \times 5) (10 \times 7)$
  - d)  $16 \times (10+5) = (16 \times 10) + (16 \times 5)$
  - (i)  $\{b,d\}$  (ii)  $\{a,c\}$  (iii)  $\{a,d,c\}$  (iv)  $\{c,d\}$  (v)  $\{a,b,c\}$
- 4. Which of the following are true?
  - a) 18+4=4+18
  - b)  $5 \div 12 = 12 \div 5$
  - c)  $12 \times 18 = 18 \times 12$
  - d) 4-5=5-4
  - (i)  $\{b,a\}$  (ii)  $\{b,c,a\}$  (iii)  $\{a,c\}$  (iv)  $\{d,c\}$  (v)  $\{b,d,a\}$
- 5. Which of the following are true?
  - a)  $16 \div (2 \div 14) = (16 \div 2) \div 14$
  - b)  $2 \times (14 \times 3) = (2 \times 14) \times 3$
  - c) 3-(16-2)=(3-16)-2
  - d) 14+(3+16)=(14+3)+16
  - (i) {a,d,b} (ii) {b,d} (iii) {a,b} (iv) {a,c,b} (v) {c,d}

- 6. Which of the following are true?
  - a)  $4 \div (16+11) = (4 \div 16) + (4 \div 11)$
  - b)  $11 \times (10-4) = (11 \times 10) (11 \times 4)$
  - c)  $16 \times (11+10) = (16 \times 11) + (16 \times 10)$
  - d)  $10-(4\times16)=(10-4)\times(10-16)$
  - (i) {b,c} (ii) {d,c} (iii) {a,d,b} (iv) {a,b} (v) {a,c,b}
- 7. Which of the following are true?
  - a) integers are closed under addition
  - b) integers are closed under multiplication
  - c) integers are closed under division
  - d) integers are closed under subtraction
  - (i) {c,a} (ii) {a,b,d} (iii) {c,d} (iv) {c,a,b} (v) {c,b}

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

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