



1. Which of the following are true?

a) $19+10=10+19$

b) $8\times 19=19\times 8$

c) $12\div 8=8\div 12$

d) $10-12=12-10$

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

2. Which of the following are true?

a) $9\times(4\times 13)=(9\times 4)\times 13$

b) $4+(13+17)=(4+13)+17$

c) $17\div(9\div 4)=(17\div 9)\div 4$

d) $13-(17-9)=(13-17)-9$

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

3. Which of the following are true?

a) $5-(8\times 11)=(5-8)\times(5-11)$

b) $8\div(11+7)=(8\div 11)+(8\div 7)$

c) $7\times(5-8)=(7\times 5)-(7\times 8)$

d) $11\times(7+5)=(11\times 7)+(11\times 5)$

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

4. Which of the following are true?

a) whole numbers are closed under addition

b) whole numbers are closed under division

c) whole numbers are closed under subtraction

d) whole numbers are closed under multiplication

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

5. Which of the following are true?

a) integers are closed under multiplication

b) integers are closed under subtraction

c) integers are closed under division

d) integers are closed under addition

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

Assignment Key

1) (ii)

2) (ii)

3) (v)

4) (ii)

5) (v)

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