



1. Which of the following are true?

- a) $15+3=3+15$
- b) $18\div 10=10\div 18$
- c) $3-18=18-3$
- d) $10\times 15=15\times 10$

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

2. Which of the following are true?

- a) $7\times(2\times 6)=(7\times 2)\times 6$
- b) $6-(11-7)=(6-11)-7$
- c) $11\div(7\div 2)=(11\div 7)\div 2$
- d) $2+(6+11)=(2+6)+11$

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

3. Which of the following are true?

- a) $7-(14\times 5)=(7-14)\times(7-5)$
- b) $10\times(7-14)=(10\times 7)-(10\times 14)$
- c) $5\times(10+7)=(5\times 10)+(5\times 7)$
- d) $14\div(5+10)=(14\div 5)+(14\div 10)$

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

4. Which of the following are true?

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

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

5. Which of the following are true?

- a) $2+3=3+2$
- b) $19\div 16=16\div 19$
- c) $16\times 2=2\times 16$
- d) $3-19=19-3$

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

6. Which of the following are true?

a) $13+(7+17)=(13+7)+17$

b) $7-(17-6)=(7-17)-6$

c) $17\div(6\div 13)=(17\div 6)\div 13$

d) $6\times(13\times 7)=(6\times 13)\times 7$

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

7. Which of the following are true?

a) $18\times(6+3)=(18\times 6)+(18\times 3)$

b) $6\times(3-15)=(6\times 3)-(6\times 15)$

c) $3-(15\times 18)=(3-15)\times(3-18)$

d) $15\div(18+6)=(15\div 18)+(15\div 6)$

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

Assignment Key

1) (i)

2) (iv)

3) (iv)

4) (i)

5) (i)

6) (iii)

7) (iii)