



1. Which of the following are true?

a) $10 - 13 = 13 - 10$

b) $16 \times 8 = 8 \times 16$

c) $13 \div 16 = 16 \div 13$

d) $8 + 10 = 10 + 8$

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

2. Which of the following are true?

a) $14 + (15 + 19) = (14 + 15) + 19$

b) $15 - (19 - 16) = (15 - 19) - 16$

c) $16 \times (14 \times 15) = (16 \times 14) \times 15$

d) $19 \div (16 \div 14) = (19 \div 16) \div 14$

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

3. Which of the following are true?

a) $8 - (14 \times 15) = (8 - 14) \times (8 - 15)$

b) $15 \times (18 + 8) = (15 \times 18) + (15 \times 8)$

c) $14 \div (15 + 18) = (14 \div 15) + (14 \div 18)$

d) $18 \times (8 - 14) = (18 \times 8) - (18 \times 14)$

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

4. Which of the following are true?

a) $19 \div 11 = 11 \div 19$

b) $11 \times 13 = 13 \times 11$

c) $13 + 2 = 2 + 13$

d) $2 - 19 = 19 - 2$

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

5. Which of the following are true?

a) $18 - (13 - 5) = (18 - 13) - 5$

b) $5 \times (19 \times 18) = (5 \times 19) \times 18$

c) $19 + (18 + 13) = (19 + 18) + 13$

d) $13 \div (5 \div 19) = (13 \div 5) \div 19$

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

6. Which of the following are true?

a) $18 \times (14 - 7) = (18 \times 14) - (18 \times 7)$

b) $14 - (7 \times 9) = (14 - 7) \times (14 - 9)$

c) $7 \div (9 + 18) = (7 \div 9) + (7 \div 18)$

d) $9 \times (18 + 14) = (9 \times 18) + (9 \times 14)$

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

7. Which of the following are true?

a) $7 + 9 = 9 + 7$

b) $3 \times 7 = 7 \times 3$

c) $5 \div 3 = 3 \div 5$

d) $9 - 5 = 5 - 9$

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

8. Which of the following are true?

a) $12 \div (3 \div 15) = (12 \div 3) \div 15$

b) $15 + (13 + 12) = (15 + 13) + 12$

c) $3 \times (15 \times 13) = (3 \times 15) \times 13$

d) $13 - (12 - 3) = (13 - 12) - 3$

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

9. Which of the following are true?

a) $8 - (2 \times 9) = (8 - 2) \times (8 - 9)$

b) $2 \div (9 + 6) = (2 \div 9) + (2 \div 6)$

c) $6 \times (8 - 2) = (6 \times 8) - (6 \times 2)$

d) $9 \times (6 + 8) = (9 \times 6) + (9 \times 8)$

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

Assignment Key

1) (i)	2) (ii)	3) (iii)	4) (iv)	5) (ii)	6) (i)
7) (v)	8) (i)	9) (ii)			