EduSahara™ Assignment

Name : Decimal Number Properties

Chapter : Fractions and Decimals

Grade : CBSE Grade VII

1. Which of the following is true?

   a) $5.8100 \times 5.8200 = 5.8200 \times 5.8100$
   b) $9.5400 - 20.7300 = 20.7300 - 9.5400$
   c) $20.7300 \div 5.8100 = 5.8100 \div 20.7300$
   d) $5.8200 + 9.5400 = 9.5400 + 5.8200$

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

2. Which of the following is true?

   a) $12.3500 \div (3.1400 \div 5.9000) = (12.3500 \div 3.1400) \div 5.9000$
   b) $12.6800 - (12.3500 - 3.1400) = (12.6800 - 12.3500) - 3.1400$
   c) $5.9000 + (12.6800 + 12.3500) = (5.9000 + 12.6800) + 12.3500$
   d) $3.1400 \times (5.9000 \times 12.6800) = (3.1400 \times 5.9000) \times 12.6800$

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

3. Which of the following is true?

   a) $7.7000 - (20.7400 \times 4.4700) = (7.7000 - 20.7400) \times (7.7000 - 4.4700)$
   b) $20.7400 \div (4.4700 + 14.8300) = (20.7400 \div 4.4700) + (20.7400 \div 14.8300)$
   c) $14.8300 \times (7.7000 - 20.7400) = (14.8300 \times 7.7000) - (14.8300 \times 20.7400)$
   d) $4.4700 \times (14.8300 + 7.7000) = (4.4700 \times 14.8300) + (4.4700 \times 7.7000)$

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

4. Which of the following is true?

   a) $15.3900 + 13.6500 = 13.6500 + 15.3900$
   b) $12.1800 \div 9.3000 = 9.3000 \div 12.1800$
   c) $9.3000 \times 15.3900 = 15.3900 \times 9.3000$
   d) $13.6500 - 12.1800 = 12.1800 - 13.6500$

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

5. Which of the following is true?

   a) $11.3700 + (11.2700 + 16.6400) = (11.3700 + 11.2700) + 16.6400$
   b) $16.6400 \div (10.6400 \div 11.3700) = (16.6400 \div 10.6400) \div 11.3700$
   c) $10.6400 \times (11.3700 \times 11.2700) = (10.6400 \times 11.3700) \times 11.2700$
   d) $11.2700 - (16.6400 - 10.6400) = (11.2700 - 16.6400) - 10.6400$

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

6. Which of the following is true?

a) $20.7400\times(7.9500+15.7400)=(20.7400\times7.9500)+(20.7400\times15.7400)$
b) $3.6900\div(20.7400+7.9500)=(3.6900\div20.7400)+(3.6900\div7.9500)$
c) $15.7400-(3.6900\times20.7400)=(15.7400-3.6900)\times(15.7400-20.7400)$
d) $7.9500\times(15.7400-3.6900)=(7.9500\times15.7400)-(7.9500\times3.6900)$

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

7. Which of the following is true?

a) $6.7300\div2.5300=2.5300\div6.7300$
b) $2.4100-6.7300=6.7300-2.4100$
c) $2.5300\times17.3400=17.3400\times2.5300$
d) $17.3400+2.4100=2.4100+17.3400$

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

8. Which of the following is true?

a) $3.3400\times(17.3600\times13.6000)=(3.3400\times17.3600)\times13.6000$
b) $13.6000-(6.9700-3.3400)=(13.6000-6.9700)-3.3400$
c) $6.9700\div(3.3400\div17.3600)=(6.9700\div3.3400)\div17.3600$
d) $17.3600+(13.6000+6.9700)=(17.3600+13.6000)+6.9700$

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

9. Which of the following is true?

a) $2.5000-(16.8000\times18.0700)=(2.5000-16.8000)\times(2.5000-18.0700)$
b) $16.8000\div(18.0700+12.4700)=(16.8000\div18.0700)+(16.8000\div12.4700)$
c) $18.0700\times(12.4700+2.5000)=(18.0700\times12.4700)+(18.0700\times2.5000)$
d) $12.4700\times(2.5000-16.8000)=(12.4700\times2.5000)-(12.4700\times16.8000)$

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

Assignment Key

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