



Concept_HW_G8_Multiplication and Division of Rational Numbers

1. Verify whether the given statement is true or false:

(i) $\{-8/9 \div 2/7\} \div 8/5 = -8/9 \div \{2/7 \div 8/5\}$

(ii) $\{4/9 \div -2/11\} \div 1/2 = 4/9 \div \{-2/11 \div 1/2\}$

(iii) $\{5/9 \div 1/3\} \div 5/2 = 5/9 \div \{1/3 \div 5/2\}$

(iv) $\{(-16) \div 6/5\} \div -9/10 = (-16) \div \{6/5 \div (-9/10)\}$

(v) $\{-3/5 \div (-12/35)\} \div 1/14 = -3/5 \div \{-12/35 \div 1/14\}$

2.Fill in the blanks:

(i) $(-23)/17 \times 18/35 = 18/35 \times (\underline{\hspace{2cm}})$

(ii) $-38 \times (-7)/19 = (-7)/19 \times (\underline{\hspace{2cm}})$

(iii) $\{15/7 \times -21/10\} \times (-5)/6 = (\underline{\hspace{2cm}}) \times \{(-21)/10 \times (-5)/6\}$

(iv) $(-12)/5 \times \{4/15 \times 25/-16\} = \{(-12)/5 \times (4/15) \times (\underline{\hspace{2cm}})\}$