Codeyoung

Concept_CW_G8_Multiplication and Division of Rational Numbers

1. Multiply the rational numbers:

(i) -5/17 by 51/(-60)

(ii) -6/11 by -55/36

(iii) -8/25 by -5/16

(iv) 6/7 by -49/36

2. Fill in the blanks:

(i) (-23)/17 × 18/35 = 18/35 × (_____)

(ii) -38 × (-7)/19 = (-7)/19 × (_____)

(iii) {15/7 × -21/10} × (-5)/6 = (_____) × {(-21)/10 × (-5)/6}

(iv) (-12)/5 × {4/15 × 25/-16} = {(-12)/5 × (4/15) × (_____)

3. Divide the rationals:

(i) 1 by 1/2

(ii) 5 by -5/7

(iii) -3/4 by 9/-16

(iv)-7/8 by -21/16

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

(i) $2/9 \div 5/11 = 7/9 \div 6/13$

(ii) $13/5 \div 26/10 = 26/10 \div 13/5$

(iii) $-9 \div 3/4 = 3/4 \div (-9)$

(iv) $-8/9 \div -4/3 = -4/3 \div (-8/9)$