APPLICATIONS OF RATIONAL FUNCTIONS

$$R = \frac{D}{T}$$
 $R = T$

Upsteed 35 | 15-r | 35 | 15-r |

dumn | 140 | 15+r | 140 |

(15+r) | 35 | = 140 | (15+r) |

(15+r) | 15-r |

35 (15+r) = 140 (15-r) |

525 + 35r = 2100 - 140r

+ 140r = 525 |

175 r = 1575 |

175 | 175 |

 $r = 9 | \frac{Km}{h}$

| D=R= Upsteu 140 15-1 15 tunn 140 15+1 141 IST 140 | The total trip took. 4 hrs. 140 15-r 151 15-r 1 |
|--|--|
| | |
| The trip upstream was 2 hrs longer than | |





