

Chapter 9: Rational Numbers. (Practice)

- 1) Reduce $-\frac{45}{30}$ to the standard form.
- 2) Reduce to standard form: (i) $\frac{36}{24}$ (ii) $-\frac{3}{-15}$
- 3) Do $\frac{4}{-9}$ and $-\frac{16}{36}$ represent the same rational number?
- 4) List three rational numbers between -2 and -1
- 5) Write four more numbers in the following pattern:
 $-\frac{1}{3}, -\frac{2}{6}, -\frac{3}{9}, -\frac{4}{12}, \dots$
- 6) Seeta walks $\frac{2}{3}$ km from a place P, towards east and then from there $1\frac{5}{7}$ km towards west. Where will she be now from P?
- 7) Find the sum: (i) $\frac{5}{4} + \left(-\frac{11}{4}\right)$ (ii) $\frac{5}{8} + \frac{3}{5}$ (iii) $-\frac{2}{3} + 0$
- 8) Find: (i) $\frac{7}{24} - \frac{17}{36}$ (ii) $-\frac{6}{18} - \left(-\frac{7}{15}\right)$ (iii) $-2\frac{1}{9} - 6$
- 9) Find: (i) $\frac{9}{2} \times \left(-\frac{2}{4}\right)$ (ii) $\frac{3}{10} \times (-9)$ (iii) $\frac{3}{-5} \times \frac{-5}{3}$
- 10) Simplify: (i) $-\frac{72}{12} \div \frac{9}{48}$ (ii) $\left(-\frac{12}{27} \times \frac{-15}{4}\right) - \left(-\frac{3}{16} \div 2\frac{1}{4}\right)$
- 11) Write $\frac{112}{-92}$ in standard form.
- 12) Simplify: (i) $-1\frac{2}{5} \times \left[\frac{4}{5} \div \frac{-12}{15}\right]$ (ii) $\left(-\frac{3}{2} \times \frac{4}{5}\right) + \left(\frac{9}{5} \div \frac{-3}{10}\right) - \left(\frac{1}{2} \times \frac{3}{4}\right)$