

Note: - Complete the notes in fair copy and questions that are marked in red colour do it by yourself.

Exercise - 5.9

Divide and check your answer:-

1) $4614 \div 4$ Q = 1153 R = 02

$$\begin{array}{r} 1153 \\ 4 \overline{) 4614} \\ \underline{-4} \\ 06 \\ \underline{-4} \\ 21 \\ \underline{-20} \\ 014 \\ \underline{-12} \\ \boxed{02} \end{array}$$

Check:-

$$\begin{aligned} \text{Dividend} &= \text{Quotient} \times \text{Divisor} + \text{Remainder} \\ &= 1153 \times 4 + 02 \\ &= 4612 + 02 \\ &= 4614 \end{aligned}$$

2) $5454 \div 3$ Q = 1818 R = 00

$$\begin{array}{r} 1818 \\ 3 \overline{) 5454} \\ \underline{-3} \\ 24 \\ \underline{-24} \\ 005 \\ \underline{-3} \\ 24 \\ \underline{-24} \\ \boxed{00} \end{array}$$

each has an equal number
in each class

Check:-

$$\text{Dividend} = \text{Quotient} \times \text{Divisor} + \text{Remainder}$$

$$= 1818 \times 3 + 0$$

$$= 5454 + 0$$

$$= 5454$$

$$3) 1459 \div 7 \quad Q = \underline{208} \quad R = \underline{03}$$

$$\begin{array}{r} 208 \\ 7 \overline{) 1459} \\ \underline{-14} \downarrow \\ 005 \downarrow \\ \underline{-0} \downarrow \\ 59 \\ \underline{-56} \\ \boxed{03} \end{array}$$

Check:-

$$\text{Dividend} = \text{Quotient} \times \text{Divisor} + \text{Remainder}$$

$$= 208 \times 7 + 03$$

$$= 1456 + 03$$

$$= 1459$$

$$4) 5342 \div 8 \quad Q = \underline{667} \quad R = \underline{06}$$

$$\begin{array}{r} 667 \\ 8 \overline{) 5342} \\ \underline{-48} \downarrow \\ 054 \downarrow \\ \underline{-48} \downarrow \\ 062 \\ \underline{-56} \\ \boxed{06} \end{array}$$

Check:-

$$\begin{aligned}
 \text{Dividend} &= \text{Quotient} \times \text{Divisor} + \text{Remainder} \\
 &= 667 \times 8 + 06 \\
 &= 5336 + 06 \\
 &= 5342
 \end{aligned}$$

$$5) 1450 \div 8 \text{ Q} = \underline{181} \text{ R} = \underline{02}$$

$$\begin{array}{r}
 181 \\
 8 \overline{) 1450} \\
 \underline{-8} \\
 065 \\
 \underline{-64} \\
 010 \\
 \underline{-8} \\
 \boxed{02}
 \end{array}$$

Check:-

$$\begin{aligned}
 \text{Dividend} &= \text{Quotient} \times \text{Divisor} + \text{Remainder} \\
 &= 181 \times 8 + 02 \\
 &= 1448 + 02 \\
 &= 1450
 \end{aligned}$$

$$6) 9221 \div 5 \text{ Q} = \underline{1844} \text{ R} = \underline{01}$$

$$\begin{array}{r}
 1844 \\
 5 \overline{) 9221} \\
 \underline{-5} \\
 42 \\
 \underline{-40} \\
 022 \\
 \underline{-20} \\
 021 \\
 \underline{-20} \\
 \boxed{01}
 \end{array}$$

Check

$$\begin{aligned}
 \text{Dividend} &= \text{Quotient} \times \text{Divisor} + \text{Remainder} \\
 &= 1844 \times 5 + 01 \\
 &= 9220 + 01 \\
 &= 9221
 \end{aligned}$$

$$7) 9300 \div 9 \ Q = \underline{1033} \ R = \underline{03}$$

$$\begin{array}{r} 1033 \\ 9 \overline{) 9300} \\ \underline{-9} \\ 03 \\ \underline{-0} \\ 30 \\ \underline{-27} \\ 030 \\ \underline{-27} \\ \boxed{03} \end{array}$$

check:-

$$\begin{aligned} \text{Dividend} &= \text{Quotient} \times \text{Divisor} + \text{Remainder} \\ &= 1033 \times 9 + 03 \\ &= 9297 + 03 \\ &= 9300 \end{aligned}$$

$$8) 8317 \div 7 \ Q = \underline{1188} \ R = \underline{01}$$

$$\begin{array}{r} 1188 \\ 7 \overline{) 8317} \\ \underline{-7} \\ 13 \\ \underline{-7} \\ 061 \\ \underline{-56} \\ 057 \\ \underline{-56} \\ \boxed{01} \end{array}$$

check:-

$$\begin{aligned} \text{Dividend} &= \text{Quotient} \times \text{Divisor} + \text{Remainder} \\ &= 1188 \times 7 + 01 \\ &= 8316 + 01 \\ &= 8317 \end{aligned}$$

$$9) 3275 \div 3 \quad Q = \underline{1091} \quad R = \underline{02}$$

$$\begin{array}{r} 1091 \\ 3 \overline{) 3275} \\ \underline{-3} \downarrow \\ 02 \downarrow \\ \underline{-0} \downarrow \\ 27 \downarrow \\ \underline{-27} \downarrow \\ 005 \\ \underline{-3} \\ \boxed{2} \end{array}$$

Check:-

$$\begin{aligned} \text{Dividend} &= \text{Quotient} \times \text{Divisor} + \text{Remainder} \\ &= 1091 \times 3 + 02 \\ &= 3273 + 02 \\ &= 3275 \end{aligned}$$

$$10) 8495 \div 2 \quad Q = \underline{4247} \quad R = \underline{01}$$

$$\begin{array}{r} 4247 \\ 2 \overline{) 8495} \\ \underline{-8} \downarrow \\ 04 \downarrow \\ \underline{-4} \downarrow \\ 09 \downarrow \\ \underline{-8} \downarrow \\ 15 \\ \underline{-14} \\ \boxed{01} \end{array}$$

$$\begin{aligned} \text{Dividend} &= \text{Quotient} \times \text{Divisor} + \text{Remainder} \\ &= 4247 \times 2 + 01 \\ &= 8494 + 01 \\ &= 8495 \end{aligned}$$