

C.W  
22.07.21

Ex-7(c)

Fill in the blanks

a)

$$\begin{array}{r} 25307 \longrightarrow Q \\ 3 \overline{) 75923} \\ \underline{-6} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 15 \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ \underline{-15} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 09 \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ \underline{-9} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 023 \\ \underline{-21} \\ 02 \longrightarrow R \end{array}$$

Quotient = 15

Remainder = 2

b) 
$$\begin{array}{r} 12912 \rightarrow Q \\ 4 \overline{) 51648} \\ \underline{-4} \phantom{00} \\ 11 \phantom{00} \\ \underline{-8} \phantom{00} \\ 36 \phantom{00} \\ \underline{-36} \phantom{00} \\ 004 \phantom{00} \\ \underline{-4} \phantom{00} \\ 08 \phantom{00} \\ \underline{-8} \phantom{00} \\ 0 \phantom{00} \rightarrow R \end{array}$$

~~Q~~ Quotient = 12912

Remainder = 0



c)

$$\begin{array}{r}
 10244 \rightarrow Q \\
 6 \overline{) 61464} \\
 \underline{-6} \phant{00} \phant{00} \phant{00} \\
 014 \phant{00} \phant{00} \\
 \underline{-12} \phant{00} \phant{00} \\
 026 \phant{00} \\
 \underline{-24} \phant{00} \\
 024 \phant{00} \\
 \underline{-24} \phant{00} \\
 \hline
 0 \rightarrow R
 \end{array}$$

Quotient = 10244

Remainder = 0

d)

$$\begin{array}{r}
 1390 \rightarrow Q \\
 7 \overline{) 97335} \\
 \underline{-7} \phant{00} \phant{00} \phant{00} \\
 27 \phant{00} \phant{00} \phant{00} \\
 \underline{-21} \phant{00} \phant{00} \\
 063 \phant{00} \\
 \underline{-63} \phant{00} \\
 05 \phant{00} \\
 \underline{-0} \phant{00} \\
 \hline
 5 \rightarrow R
 \end{array}$$

Quotient = 1390

Remainder = 5



(e)

$$\begin{array}{r}
 4730 \rightarrow Q \\
 8 \overline{) 87840} \\
 \underline{-32} \phantom{0} \\
 058 \phantom{0} \\
 \underline{-56} \phantom{0} \\
 024 \phantom{0} \\
 \underline{-24} \phantom{0} \\
 00 \\
 \underline{-0} \\
 0 \rightarrow R
 \end{array}$$

Quotient = 4730    Remainder = 0

(f)

$$\begin{array}{r}
 6311 \rightarrow Q \\
 15 \overline{) 94675} \\
 \underline{-90} \phantom{0} \\
 046 \phantom{0} \\
 \underline{-30} \phantom{0} \\
 167 \phantom{0} \\
 \underline{-45} \phantom{0} \\
 017 \phantom{0} \\
 \underline{-15} \phantom{0} \\
 025 \\
 \underline{-15} \\
 10 \rightarrow R
 \end{array}$$

Quotient = 6311    Remainder = 10



(g) 
$$\begin{array}{r} 2315 \rightarrow Q \\ 27 \overline{) 62517} \\ \underline{-54} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 085 \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ \underline{-81} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 041 \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ \underline{-27} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 147 \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ \underline{-135} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 012 \phantom{0} \phantom{0} \phantom{0} \phantom{0} \rightarrow R \end{array}$$

Quotient = 2315 Remainder = 12

(h) 
$$\begin{array}{r} 307 \rightarrow Q \\ 77 \overline{) 23645} \\ \underline{-231} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 00545 \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ \underline{-539} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 006 \phantom{0} \phantom{0} \phantom{0} \phantom{0} \rightarrow R \end{array}$$

Quotient = 307 Remainder = 6

(i)

$$\begin{array}{r} 123 \rightarrow Q \\ 61 \overline{) 7505} \\ \underline{-61} \phantom{0} \phantom{5} \\ 140 \phantom{5} \\ \underline{-122} \phantom{5} \\ 0185 \\ \underline{-183} \\ \underline{002} \rightarrow R \end{array}$$

Quotient = 123 Remainder = 2



(j)

$$\begin{array}{r} 769 \rightarrow Q \\ 82 \overline{) 63114} \\ \underline{-574} \phantom{0} \\ 0571 \\ \underline{-443} \\ 0894 \\ \underline{-798} \\ \hline \end{array}$$

$$\underline{056} \rightarrow R$$

Quotient = 769 Remainder = 56

(1)

$$\begin{array}{r}
 748 \rightarrow Q \\
 \underline{131} \overline{) 98113} \\
 \underline{-9170} \phantom{0} \\
 0641 \phantom{0} \\
 \underline{-5240} \phantom{0} \\
 1173 \phantom{0} \\
 \underline{-1048} \phantom{0} \\
 \hline
 0125 \rightarrow R
 \end{array}$$

Quotient = 748 Remainder = 125

(1)

$$\begin{array}{r}
 72 \rightarrow Q \\
 \underline{900} \overline{) 64921} \\
 \underline{-6300} \phantom{0} \\
 01922 \phantom{0} \\
 \underline{-1800} \phantom{0} \\
 \hline
 0122 \rightarrow R
 \end{array}$$

Quotient = 72

Remainder = 122



424 → Q

(m)

$$\begin{array}{r}
 162 \overline{) 68737} \\
 \underline{648} \phantom{0} \\
 0393 \phantom{0} \\
 \underline{-324} \phantom{0} \\
 0697 \\
 \underline{-648} \\
 \hline
 049 \phantom{0} \rightarrow R
 \end{array}$$

Quotient = 424 Remainder = 49

222 → Q

(n)

$$\begin{array}{r}
 219 \overline{) 48769} \\
 \underline{438} \phantom{0} \\
 0496 \phantom{0} \\
 \underline{-438} \phantom{0} \\
 0589 \\
 \underline{-438} \\
 \hline
 151 \phantom{0} \rightarrow R
 \end{array}$$

Quotient = 222 Remainder = 151



①

$$\begin{array}{r}
 179 \rightarrow Q \\
 321 \overline{) 57705} \\
 \underline{-321} \phantom{0} \\
 2560 \\
 \underline{-2247} \\
 03135 \\
 \phantom{0}2889 \\
 \underline{\phantom{0}246} \rightarrow R
 \end{array}$$

Quotient = 179 Remainder = 246

②

$$\begin{array}{r}
 236 \rightarrow Q \\
 319 \overline{) 75437} \\
 \underline{-638} \phantom{0} \\
 1163 \\
 \underline{-957} \\
 02067 \\
 \underline{-1917} \\
 0150 \rightarrow R
 \end{array}$$

Quotient = 236 Remainder = 150