

L-7

Division

①

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Divide -

Q5 @ $99 \div 11$

sol -

$$\begin{array}{r} 09 \\ 11 \overline{)99} \\ \underline{99} \\ X \end{array}$$

$$Q = 9 \\ R = 0$$

Q6 @ $72 \div 12$

sol -

$$\begin{array}{r} 06 \\ 12 \overline{)72} \\ \underline{72} \\ X \end{array}$$

$$Q = 6 \\ R = 0$$

Q7 @ $96 \div 16$

sol -

$$\begin{array}{r} 06 \\ 16 \overline{)96} \\ \underline{96} \\ X \end{array}$$

$$Q = 6 \\ R = 0$$

Q8 @ $107 \div 15$

sol -

$$\begin{array}{r} 007 \\ 15 \overline{)107} \\ \underline{105} \\ 002 \end{array}$$

$$Q = 7 \\ R = 2$$

Q9 @ $112 \div 14$

sol -

$$\begin{array}{r} 008 \\ 14 \overline{)112} \\ \underline{112} \\ X \end{array}$$

$$Q = 8 \\ R = 0$$

Q10 @ $121 \div 11$

sol -

$$\begin{array}{r} 011 \\ 11 \overline{)121} \\ \underline{11} \downarrow \\ 011 \\ \underline{11} \\ X \end{array}$$

$$Q = 11 \\ R = 0$$

Q11 @ $182 \div 12$

sol -

$$\begin{array}{r} 015 \\ 12 \overline{)182} \\ \underline{12} \downarrow \\ 62 \\ \underline{60} \\ 02 \end{array}$$

$$Q = 15 \\ R = 02$$

"You can't cross the sea merely by standing and staring at the water."—Rabindranath Tagor

Q6 4312 ÷ 14

Sol -

$$\begin{array}{r} 0308 \\ 14 \overline{) 4312} \\ \underline{42} \\ 112 \\ \underline{112} \\ \hline \end{array}$$

Q = 308
R = 0

Q7 3348 ÷ 15

Sol -

$$\begin{array}{r} 0223 \\ 15 \overline{) 3348} \\ \underline{30} \\ 34 \\ \underline{30} \\ 48 \\ \underline{45} \\ 03 \end{array}$$

Q = 223
R = 3

Q8 7980 ÷ 19

Sol -

$$\begin{array}{r} 0420 \\ 19 \overline{) 7980} \\ \underline{76} \\ 38 \\ \underline{38} \\ 00 \\ \hline \end{array}$$

Q = 420
R = 0

Q7 308 ÷ 22

Sol -

$$\begin{array}{r} 014 \\ 22 \overline{) 308} \\ \underline{22} \\ 88 \\ \underline{88} \\ \hline \end{array}$$

Q = 14
R = 0

Q8 504 ÷ 28

Sol -

$$\begin{array}{r} 018 \\ 28 \overline{) 504} \\ \underline{28} \\ 224 \\ \underline{224} \\ \hline \end{array}$$

Q = 18
R = 0

Q9 775 ÷ 35

Sol -

$$\begin{array}{r} 022 \\ 35 \overline{) 775} \\ \underline{70} \\ 75 \\ \underline{70} \\ 05 \end{array}$$

Q = 22
R = 5

Q10 966 ÷ 46

Sol -

$$\begin{array}{r} 021 \\ 46 \overline{) 966} \\ \underline{92} \\ 046 \\ \underline{46} \\ \hline \end{array}$$

Q = 21
R = 0

Q11 756 ÷ 58

Sol -

$$\begin{array}{r} 013 \\ 58 \overline{) 756} \\ \underline{58} \\ 176 \\ \underline{174} \\ 02 \end{array}$$

Q = 13
R = 2

IV C, MATHS

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Q8 @ $3432 \div 26$

Sol -

$$\begin{array}{r} 132 \\ 26 \overline{) 3432} \\ \underline{26} \\ 083 \\ \underline{78} \\ 052 \\ \underline{52} \\ 0 \end{array}$$

Q = 132
R = 0

(b)

$8001 \div 63$

Sol -

$$\begin{array}{r} 0127 \\ 63 \overline{) 8001} \\ \underline{63} \\ 170 \\ \underline{126} \\ 441 \\ \underline{441} \\ 0 \end{array}$$

Q = 127
R = 0

Q9 $6293 \div 31$

Sol -

$$\begin{array}{r} 0203 \\ 31 \overline{) 6293} \\ \underline{62} \\ 93 \\ \underline{93} \\ 0 \end{array}$$

Q = 203
R = 0

Q10 $8740 \div 42$

Sol -

$$\begin{array}{r} 0208 \\ 42 \overline{) 8740} \\ \underline{84} \\ 0340 \\ \underline{336} \\ 004 \end{array}$$

Q = 208
R = 4

Q11 $6204 \div 94$

Sol -

$$\begin{array}{r} 0066 \\ 94 \overline{) 6204} \\ \underline{564} \\ 0564 \\ \underline{564} \\ 0 \end{array}$$

Q = 66
R = 0

Q9 (a) $23374 \div 29$

sol -

$$\begin{array}{r} 00806 \\ 29 \overline{) 23374} \\ \underline{232} \\ 174 \\ \underline{174} \\ \hline 0 \end{array}$$

$Q = 806$

$R = 0$

(c) $12089 \div 57$

sol -

$$\begin{array}{r} 00212 \\ 57 \overline{) 12089} \\ \underline{114} \\ 68 \\ \underline{57} \\ 119 \\ \underline{114} \\ \hline 05 \end{array}$$

$Q = 212$

$R = 5$

(e) $37080 \div 18$

sol -

$$\begin{array}{r} 02060 \\ 18 \overline{) 37080} \\ \underline{36} \\ 108 \\ \underline{108} \\ \hline 0 \end{array}$$

$Q = 2060$

$R = 0$

(b) $50400 \div 48$

sol -

$$\begin{array}{r} 01050 \\ 48 \overline{) 50400} \\ \underline{48} \\ 0240 \\ \underline{240} \\ \hline 0 \end{array}$$

$Q = 1050$

$R = 0$

(d) $72000 \div 75$

sol -

$$\begin{array}{r} 00960 \\ 75 \overline{) 72000} \\ \underline{675} \\ 0450 \\ \underline{450} \\ \hline 0 \end{array}$$

$Q = 960$

$R = 0$

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Q10 - @ $141100 \div 17$

Sol —

$$\begin{array}{r} 008300 \\ 17 \overline{) 141100} \\ \underline{136} \downarrow \\ 51 \downarrow \\ \underline{51} \downarrow \\ 000 \\ 00 \\ \underline{} \\ X \end{array}$$

$Q = 8300$

$R = 0$

(b) $114240 \div 28$

Sol -

$$\begin{array}{r} 004080 \\ 28 \overline{) 114240} \\ \underline{112} \downarrow \downarrow \downarrow \\ 224 \downarrow \\ \underline{224} \downarrow \\ 00 \\ \hline X \end{array}$$

$Q = 4080$

$R = 0$

⑤ $476392 \div 56$

sol →

$$\begin{array}{r} 008507 \\ 56 \overline{) 476392} \\ \underline{448} \downarrow \\ 0283 \downarrow \\ \underline{280} \downarrow \\ 392 \downarrow \\ 392 \downarrow \\ \hline X \end{array}$$

$$Q = 8507$$
$$R = 0$$

(d) $630169 \div 42$

Sol -

$$\begin{array}{r} 015004 \\ 42 \overline{) 630169} \\ \underline{42} \\ 210 \\ \underline{210} \\ 169 \\ \underline{168} \\ 001 \end{array}$$

$$Q = 15004$$
$$R = 1$$

Q10 @ $203047 \div 54$

Sol $\rightarrow$

$$\begin{array}{r} 003760 \\ 54 \overline{) 203047} \\ \underline{162} \\ 0410 \\ \underline{378} \\ 0324 \\ \underline{324} \\ 7 \\ \underline{0} \\ 7 \end{array}$$

Q = 3760

R = 7

Q11

Divide and check the answer.

@ $80 \div 15$

Sol $\rightarrow$

$$\begin{array}{r} 05 \\ 15 \overline{) 80} \\ \underline{75} \\ 05 \end{array}$$

Q = 5

R = 5

check : —

Dividend = Divisor $\times$ Quotient + Remainder

= $15 \times 5 + 5$

= $75 + 5$

= 80

Q11 (b) $145 \div 19$

Sol $\rightarrow$

$$\begin{array}{r} 007 \\ 19 \overline{) 145} \\ \underline{133} \\ 012 \end{array}$$

check : —

Dividend = Divisor $\times$ Quotient + Remainder

= $19 \times 7 + 12$

= $133 + 12$

= 145

Q11 (C) $725 \div 25$

Sol $\rightarrow$

$$\begin{array}{r}
 029 \\
 25 \overline{) 725} \\
 \underline{50} \downarrow \\
 225 \\
 \underline{225} \\
 \hline
 0
 \end{array}$$

$Q = 29$

$R = 0$

Check —

$$\begin{aligned}
 \text{Dividend} &= \text{Divisor} \times \text{Quotient} + \text{Remainder} \\
 &= 25 \times 29 + 0 \\
 &= 725
 \end{aligned}$$

Q12 (d) $2800 \div 84$

Sol —

$$\begin{array}{r}
 0033 \\
 84 \overline{) 2800} \\
 \underline{252} k \\
 280 \\
 \underline{252} \\
 \hline
 028
 \end{array}$$

$Q = 33$

$R = 28$

Check! —

$$\begin{aligned}
 \text{Dividend} &= \text{Divisor} \times \text{Quotient} + \text{Remainder} \\
 &= 84 \times 33 + 28 \\
 &= 2772 + 28 \\
 &= 2800
 \end{aligned}$$

Q11 © $4602 \div 59$

sol -

$$\begin{array}{r} 0078 \\ 59 \overline{) 4602} \\ \underline{413} \\ 472 \\ \underline{472} \\ 0 \end{array}$$

Q = 78
R = 0

check:-

Dividend = Divisor $\times$ Quotient + Remainder
 $= 59 \times 78 + 0$
 $= 4602$

Q12

© $72 \div 18$

sol -

$$\begin{array}{r} 04 \\ 18 \overline{) 72} \\ \underline{72} \\ 0 \end{array}$$

Q = 4
R = 0

© $91 \div 13$

sol -

$$\begin{array}{r} 07 \\ 13 \overline{) 91} \\ \underline{91} \\ 0 \end{array}$$

Q = 7
R = 0

© $153 \div 17$

sol -

$$\begin{array}{r} 009 \\ 17 \overline{) 153} \\ \underline{153} \\ 0 \end{array}$$

Q = 9
R = 0

© $134 \div 19$

sol -

$$\begin{array}{r} 007 \\ 19 \overline{) 134} \\ \underline{133} \\ 001 \end{array}$$

Q = 7
R = 1

© $189 \div 20$

sol -

$$\begin{array}{r} 009 \\ 20 \overline{) 189} \\ \underline{180} \\ 9 \end{array}$$

Q = 9
R = 9

IV - C

MATHS

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Q 13 @ $325 \div 13$

Sol -

$$\begin{array}{r} 025 \\ 13 \overline{) 325} \\ \underline{26} \\ 65 \\ \underline{65} \\ \hline \end{array}$$

Q = 25

R = 0

Q 14 @ $758 \div 18$

Sol -

$$\begin{array}{r} 042 \\ 18 \overline{) 758} \\ \underline{72} \\ 38 \\ \underline{36} \\ \hline 02 \end{array}$$

Q = 42

R = 2

Q 15 @ $4104 \div 27$

Sol -

$$\begin{array}{r} 0152 \\ 27 \overline{) 4104} \\ \underline{27} \\ 140 \\ \underline{135} \\ 54 \\ \underline{54} \\ \hline \end{array}$$

Q = 152

R = 0

Q 16 @ $9744 \div 24$

Sol -

$$\begin{array}{r} 0406 \\ 24 \overline{) 9744} \\ \underline{96} \\ 144 \\ \underline{144} \\ \hline \end{array}$$

Q = 406

R = 0

Q 17 @ $9923 \div 31$

Sol -

$$\begin{array}{r} 0320 \\ 31 \overline{) 9923} \\ \underline{93} \\ 062 \\ \underline{62} \\ 30 \\ \underline{30} \\ \hline 3 \end{array}$$

Q = 320

R = 3

Q14 (a) $2450 \div 35$

Sol -

$$\begin{array}{r} 0070 \\ 35 \overline{) 2450} \\ \underline{245} \\ 0 \\ \underline{0} \\ \hline \end{array}$$

$Q = 70$

$R = 0$

(c) $38107 \div 75$

Sol -

$$\begin{array}{r} 00508 \\ 75 \overline{) 38107} \\ \underline{375} \\ 607 \\ \underline{600} \\ 007 \end{array}$$

$Q = 508$

$R = 7$

(e) $655744 \div 93$

Sol -

$$\begin{array}{r} 007051 \\ 93 \overline{) 655744} \\ \underline{651} \\ 474 \\ \underline{465} \\ 0094 \\ \underline{93} \\ 01 \end{array}$$

$Q = 7051$

$R = 1$

(b) $49600 \div 62$

Sol

$$\begin{array}{r} 00800 \\ 62 \overline{) 49600} \\ \underline{496} \\ 00 \\ \underline{00} \\ \hline \end{array}$$

$Q = 800$

$R = 0$

(d) $549945 \div 55$

Sol -

$$\begin{array}{r} 009999 \\ 55 \overline{) 549945} \\ \underline{495} \\ 0549 \\ \underline{495} \\ 0544 \\ \underline{495} \\ 0495 \\ \underline{495} \\ \hline \end{array}$$

$Q = 9999$

$R = 0$

Q15 Divide and check the answer.

(a) $145 \div 19$

Sol $\rightarrow$

$$\begin{array}{r} 007 \\ 19 \overline{)145} \\ \underline{133} \\ 012 \end{array}$$

check -

$$\begin{aligned} &19 \times 7 + 12 \\ &= 133 + 12 \\ &= 145 \end{aligned}$$

(b) $940 \div 47$

Sol -

$$\begin{array}{r} 020 \\ 47 \overline{)940} \\ \underline{94} \downarrow \\ 0 \\ 0 \\ \hline \end{array}$$

$Q = 20$

$R = 0$

check -

$$\begin{aligned} &= 47 \times 20 + 0 \\ &= 940 \end{aligned}$$

(c) $9964 \div 27$

Sol $\rightarrow$

$$\begin{array}{r} 0369 \\ 27 \overline{)9964} \\ \underline{81} \downarrow \\ 186 \\ \underline{162} \downarrow \\ 244 \\ \underline{243} \\ 001 \end{array}$$

check -

$$\begin{aligned} &= 27 \times 369 + 1 \\ &= 9963 + 1 \\ &= 9964 \end{aligned}$$

(d) $6300 \div 84$

Sol -

$$\begin{array}{r} 0075 \\ 84 \overline{)6300} \\ \underline{588} \\ 0420 \\ \underline{420} \\ \hline \end{array}$$

check -

$$\begin{aligned} &= 84 \times 75 + 0 \\ &= 6300 \end{aligned}$$

10 C MATHS

Exe- 7-B

①

Divide —

Q3(a) $777 \div 111$

sol —

$$\begin{array}{r} 007 \\ 111 \overline{) 777} \\ \underline{777} \\ \times \end{array}$$

$Q=7$

$R=0$

(b) $810 \div 135$

sol —

$$\begin{array}{r} 006 \\ 135 \overline{) 810} \\ \underline{810} \\ \times \end{array}$$

$Q=6$

$R=0$

(c) $607 \div 102$

sol —

$$\begin{array}{r} 005 \\ 102 \overline{) 607} \\ \underline{510} \\ 097 \end{array}$$

$Q=5$

$R=97$

(d) $960 \div 320$

sol —

$$\begin{array}{r} 003 \\ 320 \overline{) 960} \\ \underline{960} \\ \times \end{array}$$

$Q=3$

$R=0$

Q4 (a) $1375 \div 125$

sol —

$$\begin{array}{r} 0011 \\ 125 \overline{) 1375} \\ \underline{125} \downarrow \\ 0125 \\ \underline{125} \\ \times \end{array}$$

$Q=11$

$R=0$

(b) $1975 \div 180$

sol —

$$\begin{array}{r} 0010 \\ 180 \overline{) 1975} \\ \underline{180} \downarrow \\ 0175 \end{array}$$

$Q=10$

$R=175$

(c) $9828 \div 234$

sol —

$$\begin{array}{r} 0042 \\ 234 \overline{) 9828} \\ \underline{936} \downarrow \\ 0468 \\ \underline{468} \\ \times \end{array}$$

$Q=42$

$R=0$

(d) $7488 \div 312$

sol —

$$\begin{array}{r} 0024 \\ 312 \overline{) 7488} \\ \underline{624} \downarrow \\ 1248 \\ \underline{1248} \\ \times \end{array}$$

$Q=24$

$R=0$

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$$\textcircled{5} \quad 975 \div 182$$

Sol. $\rightarrow$

$$\begin{array}{r} 005 \\ 182 \overline{) 975} \\ \underline{910} \\ 065 \end{array}$$

$$Q=5$$

$$R=65$$

$$Q=3$$

$$R=0$$

$$\textcircled{6} \quad 8890 \div 442$$

Sol. $\rightarrow$

$$\begin{array}{r} 0020 \\ 442 \overline{) 8890} \\ \underline{884} \downarrow \\ 0050 \end{array}$$

$$Q=20$$

$$R=50$$

Q5 @ $12870 \div 198$

sol -

$$\begin{array}{r} 00065 \\ 198 \overline{) 12870} \\ \underline{1188} \\ 00990 \\ \underline{990} \\ \hline \end{array}$$

Q=65
R=0

Q 23780 $\div$ 670

sol -

$$\begin{array}{r} 00035 \\ 670 \overline{) 23780} \\ \underline{2010} \\ 03680 \\ \underline{3350} \\ \hline 0330 \end{array}$$

Q=35
R=330

Q 209200 $\div$ 523

sol -

$$\begin{array}{r} 000400 \\ 523 \overline{) 209200} \\ \underline{2092} \\ \hline 00 \\ 0 \\ 0 \\ 0 \\ \hline \end{array}$$

Q=400
R=0

⑤ $84436 \div 418$

sol -

$$\begin{array}{r} 00202 \\ 418 \overline{) 84436} \\ \underline{836} \\ 00836 \\ \underline{836} \\ \hline \end{array}$$

Q=202
R=0

Q 111684 $\div$ 908

sol -

$$\begin{array}{r} 000123 \\ 908 \overline{) 111684} \\ \underline{0908} \\ 2088 \\ \underline{1816} \\ 02724 \\ \underline{2724} \\ \hline \end{array}$$

Q=123
R=0

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Q6 (a) $872 \div 218$

Sol $\rightarrow$

$$\begin{array}{r} 004 \\ 218 \overline{) 872} \\ \underline{872} \\ \times \end{array}$$

$Q=4$
 $R=0$

(b) $760 \div 250$

Sol $\rightarrow$

$$\begin{array}{r} 003 \\ 250 \overline{) 760} \\ \underline{750} \\ 010 \end{array}$$

$Q=3$
 $R=10$

(c) $819 \div 273$

Sol $\rightarrow$

$$\begin{array}{r} 003 \\ 273 \overline{) 819} \\ \underline{819} \\ \times \end{array}$$

$Q=3$
 $R=0$

(d) $813 \div 713$

Sol $\rightarrow$

$$\begin{array}{r} 001 \\ 713 \overline{) 813} \\ \underline{713} \\ 100 \end{array}$$

$Q=1$
 $R=100$

(e) $624 \div 156$

Sol $\rightarrow$

$$\begin{array}{r} 004 \\ 156 \overline{) 624} \\ \underline{624} \\ \times \end{array}$$

$Q=4$
 $R=0$

Q 7 (a) $6800 \div 136$

Sol $\rightarrow$

$$\begin{array}{r} 0050 \\ 136 \overline{) 6800} \\ \underline{680} \downarrow \\ 0 \\ 0 \\ \times \end{array}$$

Q 7 (b) $1848 \div 231$

Sol $\rightarrow$

$$\begin{array}{r} 0008 \\ 231 \overline{) 1848} \\ \underline{1848} \\ \times \end{array}$$

$Q=8$
 $R=0$

(c) $6724 \div 316$

Sol $\rightarrow$

$$\begin{array}{r} 0021 \\ 316 \overline{) 6724} \\ \underline{632} \downarrow \\ 0404 \\ \underline{316} \\ 088 \end{array}$$

$Q=50$
 $R=0$

$Q=21$

$R=88$

Q7 (a) $2360 \div 420$

sol -

$$\begin{array}{r} 0005 \\ 420 \overline{) 2360} \\ \underline{2100} \\ 0260 \end{array}$$

Q = 5
R = 260

(b) $42660 \div 711$

sol -

$$\begin{array}{r} 00060 \\ 711 \overline{) 42660} \\ \underline{4266} \downarrow \\ 0 \\ 0 \\ \hline X \end{array}$$

Q = 60
R = 0

Q8 (a) $12780 \div 142$

sol -

$$\begin{array}{r} 00090 \\ 142 \overline{) 12780} \\ \underline{1278} \downarrow \\ 0 \\ 0 \\ \hline X \end{array}$$

Q = 90
R = 0

(b) $25256 \div 308$

sol -

$$\begin{array}{r} 00082 \\ 308 \overline{) 25256} \\ \underline{2464} \downarrow \\ 00616 \\ \underline{616} \\ \hline X \end{array}$$

Q = 82
R = 0

(c) $310184 \div 764$

sol -

$$\begin{array}{r} 000406 \\ 764 \overline{) 310184} \\ \underline{3056} \downarrow \\ 004584 \\ \underline{4584} \\ \hline X \end{array}$$

Q = 406
R = 0

(d) $304056 \div 870$

sol -

$$\begin{array}{r} 000349 \\ 870 \overline{) 304056} \\ \underline{2610} \downarrow \\ 04305 \\ \underline{3480} \downarrow \\ 8256 \\ \underline{7830} \\ 0426 \end{array}$$

Q = 349
R = 426

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Q8 @ $465426 \div 918$

Sol $\rightarrow$ $\begin{array}{r} 000507 \\ 918 \overline{) 465426} \\ \underline{4590} \\ 006426 \\ \underline{6426} \\ \hline X \end{array}$

$Q = 507$
 $R = 0$

Q9 @ $560 \div 80$

Sol $\rightarrow$ $\begin{array}{r} 7 \\ 80 \overline{) 560} \\ \underline{560} \\ \hline 0 \end{array}$

$= 7 \text{ Ans.}$

Q10 @ $1800 \div 30$

Sol $\rightarrow$ $\begin{array}{r} 60 \\ 30 \overline{) 1800} \\ \underline{1800} \\ \hline 0 \end{array}$

$= 60 \text{ Ans}$

Q11 @ $2000 \div 400$

Sol $\rightarrow$ $\begin{array}{r} 5 \\ 400 \overline{) 2000} \\ \underline{2000} \\ \hline 0 \end{array}$

$= 5 \text{ Ans.}$

Q12 @ $48000 \div 800$

Sol $\rightarrow$ $\begin{array}{r} 60 \\ 800 \overline{) 48000} \\ \underline{48000} \\ \hline 0 \end{array}$

$= 60 \text{ Ans}$

Exe. 7-C

(1)

Q1- Sol -

Time spent by Shaan's mother at her clinic = 480 minutes

$$\begin{aligned} \text{Time in hours} &= 480 \div 60 \\ &= 8 \text{ hrs. Ans} \end{aligned}$$

$$\begin{array}{r} 8 \\ 480 \\ \underline{60} \\ = 8 \end{array}$$

Q2- Sol -

Time of my favourite T.V. show

$$= 2100 \text{ sec.}$$

$$\begin{aligned} \text{Time in minutes} &= 2100 \div 60 \\ &= 35 \text{ minutes Ans.} \end{aligned}$$

$$\begin{array}{r} 35 \\ 2100 \\ \underline{60} \\ = 35 \end{array}$$

Q3- Sol -

A sadhu, on a vow of silence, did not speak for 7200 hours

$$\begin{aligned} \text{Time in days} &= 7200 \div 24 \\ &= 300 \text{ days Ans.} \end{aligned}$$

$$\begin{array}{r} 1 \text{ day} = 24 \text{ hrs} \\ 0300 \\ 24 \overline{) 7200} \\ \underline{72} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

Q4 Sol —

$$\begin{aligned}\text{Total caps} &= 3527 \\ \text{Caps in one box} &= 64\end{aligned}$$

$$\begin{array}{r} 0055 \\ 64 \overline{) 3527} \\ \underline{320} \\ 0327 \\ \underline{320} \\ 007 \end{array}$$

Ans = 55 boxes used and 7 caps left.

Q5 Sol —

$$\begin{aligned}\text{Total wheat} &= 15,408 \\ \text{Each family got wheat} &= 36 \text{ Kg.} \\ \text{Number of families} &= 15,408 \div 36 \\ &= 428 \text{ Ans.}\end{aligned}$$

$$\begin{array}{r} 00428 \\ 36 \overline{) 15,408} \\ \underline{144} \\ 0100 \\ \underline{072} \\ 288 \\ \underline{288} \\ 0 \end{array}$$

Q6 Sol -

Length of wire = 82,075 metres.
Number of days = 35
Factory made wire everyday = $82075 \div 35$
= 2345 metres Ans.

$$\begin{array}{r} 02345 \\ 35 \overline{) 82075} \\ \underline{70} \\ 120 \\ \underline{105} \\ 0157 \\ \underline{140} \\ 0175 \\ \underline{175} \\ \hline \end{array}$$

Q7- Sol -

Total money = Rs 78,000
money collected from each flat = Rs 250
Number of flats = $Rs\ 78000 \div Rs\ 250$
= 312 Ans.

$$\begin{array}{r} 00312 \\ 250 \overline{) 78000} \\ \underline{750} \\ 0300 \\ \underline{250} \\ 0500 \\ \underline{500} \\ \hline \end{array}$$

Q 28 @ Sol -

$$\begin{aligned}\text{Dividend} &= 6045 \\ \text{Divisor} &= 65 \\ \text{Quotient} &= 6045 \div 65 \\ &= 93 \text{ Ans}\end{aligned}$$

$$\begin{array}{r} 65 \overline{) 6045} \\ \underline{585} \\ 0195 \\ \underline{195} \\ \hline \end{array}$$

(b) Sol -

$$\begin{aligned}\text{Dividend} &= 17,750 \\ \text{Quotient} &= 250 \\ \text{Divisor} &= 17,750 \div 250 \\ &= 71 \text{ Ans}\end{aligned}$$

$$\begin{array}{r} 00071 \\ 250 \overline{) 17750} \\ \underline{1750} \\ 00250 \\ \underline{250} \\ \hline \end{array}$$

(c) Sol -

The product of two numbers = 26520

One number = 408

Other number = $26520 \div 408$

= 65 Ans.

$$\begin{array}{r} 00065 \\ 408 \overline{) 26520} \\ \underline{2448} \\ 02040 \\ \underline{2040} \\ \hline \end{array}$$

Q 29 @ Sol -

$$\begin{aligned}\text{Divisor} &= 128 \\ \text{Quotient} &= 72 \\ \text{Remainder} &= 45\end{aligned}$$

$$\begin{array}{r} 128 \\ \times 72 \\ \hline 256 \\ 896 \\ \hline 9216 \end{array}$$

The number = Divisor $\times$ Quotient + Remainder

$$\begin{aligned}&= 128 \times 72 + 45 \\ &= 9216 + 45 \\ &= 9261 \text{ Ans}\end{aligned}$$

(5)

Q9 (b) sol → Divisor = 65
Quotient = 282
Remainder = 32

$$\begin{aligned}\text{Dividend} &= \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ &= 65 \times 282 + 32 \\ &= 18330 + 32 \\ &= 18362 \text{ Ans.}\end{aligned}$$

$$\begin{array}{r} 282 \\ \times 65 \\ \hline 1410 \\ 16920 \\ \hline 18330 \end{array}$$

Q10 @ sol -

Biggest four digit number = 9999
Divisor = 38

$$\begin{array}{r} 0263 \\ 38 \overline{) 9999} \\ \underline{76} \\ 239 \\ \underline{228} \\ 0119 \\ \underline{114} \\ 005 \end{array}$$

$$9999 - 5 = 9994 \text{ Ans.}$$

Q10 (b) sol -

Greatest 5 digit number = 99999

Divisor = 67

$$\begin{array}{r} 01492 \\ 67 \overline{) 99999} \\ \underline{67} \downarrow \\ 329 \downarrow \\ \underline{268} \downarrow \\ 0619 \downarrow \\ \underline{603} \downarrow \\ 169 \downarrow \\ \underline{134} \downarrow \\ 035 \end{array}$$

$$99,999 - 35 = 99,964 \text{ Ans.}$$

Q11 @ sol -

Smallest 4 digit number = 1000

Divisor = 229

$$\begin{array}{r} 0004 \\ 229 \overline{) 1000} \\ \underline{0916} \\ 0084 \end{array}$$

$$229 - 84 = 145$$

$$1000 + 145 = 1145 \text{ Ans.}$$

Q11 (b) Sol —

Smallest 6 digits number = 1,00,000

Divisor = 318

$$\begin{array}{r} 000\ 314 \\ 318 \overline{) 1,00,000} \\ \underline{095\ 40} \\ 0460 \\ \underline{318} \\ 1420 \\ \underline{1272} \\ 0148 \end{array}$$

$$318 - 148 = 170$$

$$1,00,000 + 170 = 1,00,170 \text{ Ans.}$$

Exc- 7-DBODMAS

Simplify —

Q1 @ $36 \div 4 \times 5$

sol —

$= 9 \times 5$

$= 45 \text{ Ans.}$

Q5 $72 \div 4 \text{ of } 3$

sol —

$= 72 \div 12$

$= 6 \text{ Ans.}$

Q7 $5 \text{ of } 27 \div 9$

sol —

$= 135 \div 9$

$= 15 \text{ Ans.}$

Q8 $7 \times 12 \div 6$

sol —

$= 7 \times 2$

$= 14 \text{ Ans.}$

Q2 @ $16 \times 4 - 56 \div 4$

sol $\rightarrow = 16 \times 4 - 4$

$= 64 - 4$

$= 60 \text{ Ans.}$

Q6 $240 \div 15 \text{ of } 8 \times 3$

sol — $= 240 \div 120 \times 3$

$= 2 \times 3$

$= 6 \text{ Ans.}$

Q9 $140 \div 5 + 4 \text{ of } 120$

sol —

$= 140 \div 5 + 480$

$= 28 + 480$

$= 508 \text{ Ans.}$

Q3- @ $3600 \div 90 \times 10 + 5 \text{ of } 24 - 120 \div 6$

sol $\rightarrow$

$= 3600 \div 90 \times 10 + 120 - 120 \div 6$

$= 40 \times 10 + 120 - 20$

$= 400 + 120 - 20$

$= 520 - 20$

$= 500 \text{ Ans.}$

Q3 (b) $128 \div 16 \text{ of } 4 + 325 \times 7 - 165$

Sol -

$$= 128 \div 64 + 325 \times 7 - 165$$

$$= 2 + 325 \times 7 - 165$$

$$= 2 + 2275 - 165$$

$$= 2277 - 165$$

$$= 2112 \text{ Ans.}$$

Q4 (a) $5120 \text{ of } 16 \div 64 \times 20 + 18 \times 180$

Sol -

$$= 81920 \div 64 \times 20 + 18 \times 180$$

$$= 1280 \times 20 + 18 \times 180$$

$$= 25600 + 3240$$

$$= 28840 \text{ Ans.}$$

(b) $2616 \div 8 \text{ of } 3 - 21 \times 10 + 132 \text{ of } 15$

Sol -

$$= 2616 \div 24 - 21 \times 10 + 1980$$

$$= 109 - 21 \times 10 + 1980$$

$$= 109 - 210 + 1980$$

$$= 2089 - 210$$

$$= 1879 \text{ Ans.}$$

$$1-120 \div 6$$

$$0 \div 6$$

Q1 @ Sol -

$$\text{The sum of two numbers} = 2360$$

$$\text{Smaller number} = 936$$

$$\text{Greater number} = 2360 - 936$$
$$= 1424$$

$$\text{The product of smaller and greater number} = 936 \times 1424$$

$$= 13,32,864 \text{ Ans.}$$

⑤ Sol - The greater number = 710

$$\text{Difference} = 420$$

$$\text{Smaller number} = 710 - 420$$

$$= 290$$

$$\text{The product of smaller and greater number}$$

$$= 290 \times 710$$

$$= 2,05,900 \text{ Ans.}$$

Q2 @ Sol -

$$\text{The product of two numbers} = 19,314$$

$$\text{One number} = 74$$

$$\text{The other number} = 19314 \div 74$$

$$= 261$$

$$\text{The sum of two numbers} = 261 + 74$$

$$= 335 \text{ Ans.}$$

Q2 (b) Sol —

The product of two numbers = 48,516

One number = 39

The other number = $48516 \div 39$
= 1244The difference = $1244 - 39$
= 1205 Ans.

Q3- Sol —

Number of children = 124

Number of teachers = 8

Entry ticket's cost for a child = Rs 35

Entry ticket's cost for a teacher = Rs 50

Total cost of tickets = $124 \times 35 + 8 \times 50$
= 4340 + 400
= Rs 4740 Ans.

Q4 Sol —

Packets of toffees = 12

Toffees in one packet = 96

Number of friends = 36

Share of each = $(12 \times 96) \div 36$
= $1152 \div 36$
= 32 Ans.

Q5 Sol —

$$\text{Ties} = 1320$$

$$\text{Boxes} = 11$$

$$\text{Packets in each box} = 10$$

$$\begin{aligned}\text{Number of ties in each packet} &= (1320 \div 11) \div 10 \\ &= 120 \div 10 \\ &= 12 \text{ Ans.}\end{aligned}$$

Q6 Sol —

$$\text{Total collection} = \text{Rs. } 55125$$

$$\text{Children} = 105$$

$$\text{Just before trip, money returned to each child} = \text{Rs } 25$$

$$\begin{aligned}\text{Each child paid for trip} &= 55125 \div 105 \\ &= 525 - 25 \\ &= \text{Rs } 500 \text{ Ans.}\end{aligned}$$

Q7 Sol —

$$\text{The cost of a mobilephone} = \text{Rs } 27,608$$

$$\text{Money paid by cash} = \text{Rs } 5,000$$

$$\begin{aligned}\text{Rest money} &= \text{Rs } 27,608 - \text{Rs } 5,000 \\ &= \text{Rs } 22,608\end{aligned}$$

$$\text{Number of monthly instalments} = 18$$

$$\begin{aligned}\text{Raghu will pay each month} &= \text{Rs } 22,608 \div 18 \\ &= \text{Rs } 1256 \text{ Ans.}\end{aligned}$$

28. Sol -

$$\begin{aligned}\text{Number of containers of milk} &= 3 \\ \text{milk in one container} &= 680 \text{ l} \\ \text{milk in 3 containers} &= 680 \times 3 \\ &= 2040 \text{ l.}\end{aligned}$$

$$\begin{aligned}\text{Number of families} &= 408 \\ \text{Share of each family} &= 2040 \text{ l} \div 408 \\ &= 5 \text{ l Milk Ans!}\end{aligned}$$

29 Sol —

$$\begin{aligned}\text{Number of packets} &= 9 \\ \text{Tea in one packet} &= 250 \text{ gm} \\ \text{Tea in 9 packets} &= 250 \times 9 \\ &= 2250 \text{ gm.}\end{aligned}$$

25

$$\begin{aligned}\text{Number of gift boxes} &= 11 \\ \text{Tea in one box} &= 200 \text{ gm.} \\ \text{Tea in 11 boxes} &= 200 \times 11 \\ &= 2200 \text{ gm.}\end{aligned}$$

$$\begin{aligned}\text{Tea left} &= 2250 - 2200 \\ &= 50 \text{ gm. Ans.}\end{aligned}$$

1. Write the quotient (Q) and the remainder (R).

- (a) $63 \div 10$ Q = 6 R = 3 (b) $87 \div 10$ Q = 8 R = 7
 (c) $192 \div 10$ Q = 19 R = 2 (d) $360 \div 10$ Q = 36 R = 0
 (e) $1438 \div 10$ Q = 143 R = 8 (f) $73954 \div 10$ Q = 7395 R = 4
 (g) $512 \div 100$ Q = 5 R = 12 (h) $79 \div 100$ Q = 0 R = 79
 (i) $2340 \div 100$ Q = 23 R = 40 (j) $40600 \div 100$ Q = 406 R = 00
 (k) $2345 \div 1000$ Q = 2 R = 345 (l) $30742 \div 1000$ Q = 30 R = 742
 (m) $963120 \div 1000$ Q = 963 R = 120 (n) $874532 \div 10000$ Q = 87 R = 4532

2. Fill in.

- (a) $80 \div 20 = 4$ (b) $150 \div 30 = 5$ (c) $480 \div 40 = 12$ (d) $1500 \div 50 = 30$
 (e) $1740 \div 60 = 29$ (f) $49700 \div 70 = 710$ (g) $1200 \div 200 = 6$ (h) $27900 \div 900 = 31$
 (i) $25000 \div 500 = 50$ (j) $42000 \div 7000 = 6$ (k) $54000 \div 6000 = 9$ (l) $100000 \div 5000 = 20$

Divide.

3. (a) $777 \div 111$ 7 (b) $810 \div 135$ 6 (c) $607 \div 102$ 5, 97
 4. (a) $1375 \div 125$ 11 (b) $1975 \div 180$ 10, 175 (c) $9828 \div 234$ 42 (d) $960 \div 320$ 3 (e) $975 \div 182$ 5, 65
 5. (a) $12870 \div 198$ 65 (b) $84436 \div 418$ 202 (c) $23780 \div 670$ 35, 330 (d) $7488 \div 312$ 24 (e) $8890 \div 442$ 20, 50
 (d) $111684 \div 908$ 123 (e) $209200 \div 523$ 400

More sums for practice



Divide.

6. (a) $872 \div 218$ 4 (b) $760 \div 250$ 3, 10 (c) $819 \div 273$ 3 (d) $813 \div 713$ 1, 100 (e) $624 \div 156$ 4
 7. (a) $6800 \div 136$ 50 (b) $1848 \div 231$ 8 (c) $6724 \div 316$ 21, 88 (d) $2360 \div 420$ 5, 260 (e) $42660 \div 711$ 60
 8. (a) $12780 \div 142$ 90 (b) $25256 \div 308$ 82 (c) $310184 \div 764$ 406 (d) $304056 \div 870$ 349, 426 (e) $465426 \div 918$ 507
 9. (a) $560 \div 80 = 7$ (b) $1800 \div 30 = 60$ (c) $2000 \div 400 = 5$ (d) $48000 \div 800 = 60$