

Let's Recall

A) Add the tick (✓) the correct answer.

1) $39748 + 132961$

i) 172709 (✓)

ii) 177709

iii) 167080

2) $4327 + 110047 + 28631$

ii) 140005

ii) 133999

iii) 143005 (✓)

B) Subtract and tick (✓) the correct answer .

1) $986314 - 59632$

i) 928662

ii) 926682 (✓)

iii) 966288

2) $860000 - 298793$

i) 561207 (✓)

ii) 652107

iii) 562107

C) Multiply and tick (✓) the correct answer .

1) 83745×18

i) 1507400

ii) 1507404

iii) 1507410 (✓)

2) 156324×9

i) 1406916 (✓)

ii) 1406619

iii) 1406906

D) Divide and tick (✓) the correct answer .

1) $86388 \div 12$

i) 7114

ii) 7199 (✓)

iii) 7104

2) $491040 \div 5$

i) 98200

ii) 98280

iii) 98208 (✓)

A) Add.

$$\begin{array}{r}
 1) \quad 8965431 \\
 + 54107736 \\
 \hline
 63073167
 \end{array}
 \quad
 \begin{array}{r}
 2) \quad 379261542 \\
 + 283415097 \\
 \hline
 662676639
 \end{array}
 \quad
 \begin{array}{r}
 3) \quad 11754621 \\
 + 71298267 \\
 \hline
 83052888 \\
 + 8382063 \\
 \hline
 166873522
 \end{array}$$

$$\begin{array}{r}
 4) \quad 27895347 \\
 + 45746308 \\
 \hline
 73641655 \\
 + 14506307 \\
 \hline
 88147962
 \end{array}
 \quad
 \begin{array}{r}
 5) \quad 11947316 \\
 + 71298973 \\
 \hline
 83246289
 \end{array}
 \quad
 \begin{array}{r}
 6) \quad 937106251 \\
 + 28415379 \\
 \hline
 965521630
 \end{array}$$

B) Subtract.

$$\begin{array}{r}
 1) \quad 63952871 \\
 - 17468594 \\
 \hline
 46484277
 \end{array}
 \quad
 \begin{array}{r}
 2) \quad 375994783 \\
 - 86317546 \\
 \hline
 289677237
 \end{array}
 \quad
 \begin{array}{r}
 3) \quad 834456789 \\
 - 200000000 \\
 \hline
 634456789
 \end{array}$$

C) Solve.

$$1) 49136805 - 7564246 \quad 2) (38974861 + 10748932) - 4692578$$

$$\begin{array}{r}
 \text{Sol- } 49136805 \\
 - 7564246 \\
 \hline
 41572559
 \end{array}
 \quad
 \begin{array}{r}
 \text{Step 1} \quad 38974861 \\
 + 10748932 \\
 \hline
 49723793
 \end{array}
 \quad
 \begin{array}{r}
 \text{Step 2} \quad 49723793 \\
 - 4692578 \\
 \hline
 45031215
 \end{array}$$

$$3) (321708397 - 22496144) + 7598361$$

$$\begin{array}{r}
 \text{Step 1} \quad 321708397 \\
 - 22496144 \\
 \hline
 299212253
 \end{array}
 \quad
 \begin{array}{r}
 \text{Step 2} \quad 299212253 \\
 + 7598361 \\
 \hline
 306810614
 \end{array}$$

D) Fill in the missing digits in the boxes.

$$1) \quad 4 \ 0 \ (4) \ 3 \ (5) \ 1 \ 6 \ 2 \ (8)$$

$$+ \ (1) \ 3 \ 4 \ 2 \ 3 \ (1) \ 0 \ 6 \ 1$$

$$5 \ (3) \ 8 \ (5) \ 8 \ 2 \ (6) \ 8 \ 9$$

$$2) \quad (9) \ 7 \ (4) \ 5 \ 6 \ 3 \ (2) \ 1$$

$$- \ 3 \ 4 \ 1 \ 0 \ (5) \ (2) \ 0 \ (1)$$

$$6 \ (3) \ 3 \ (5) \ 1 \ 1 \ 2 \ 0$$

Exercise = 2.2

Solve.

- 1) The population of country 'A' is 8,37,49,174 and country 'B' is 10,74,83,566. What is the total population of the two countries.

$$\begin{aligned} \text{Sol- Population of country A} &= 8,37,49,174 \\ \text{Population of country B} &= + 10,74,83,566 \\ \text{Total population} &= 19,12,32,740 \end{aligned}$$

- 2) Mr. Raut paid Rs 94,24,176 as income tax in 2004, Rs 13,75,324 in 2005 and Rs 1,74,10,240 in 2006. How much income tax did he pay altogether?

$$\begin{aligned} \text{Sol- Income tax paid in 2004} &= \text{Rs } 94,24,176 \\ \text{Income tax paid in 2005} &= \text{Rs } 13,75,324 \\ \text{Income tax paid in 2006} &= + \text{Rs } 1,74,10,240 \\ \text{Income tax paid in 3 years} &= \text{Rs } 2,82,09,740 \\ \text{Income tax paid in 3 years} &= \text{Rs } 2,82,09,740 \\ \text{Income tax Refunded} &= - 20,15,400 \\ \text{Income tax paid altogether} &= \text{Rs } 2,61,94,340 \end{aligned}$$

3) Out of 9,83,74,675 males , 2,14,39,407 are employed. Find the number of unemployed males.

Sol :- Total males = 9,83,74,675

Employed males = - 2,14,39,407

Unemployed males = 7,69,35,268

Exercise = 2.3

A) Find the product.

1) 93475×836

Sol:-

$$\begin{array}{r}
 93475 \\
 \times 836 \\
 \hline
 560850 \\
 280425 \times \\
 + 747800 \times \times \\
 \hline
 78145100
 \end{array}$$

2) 8374×6000

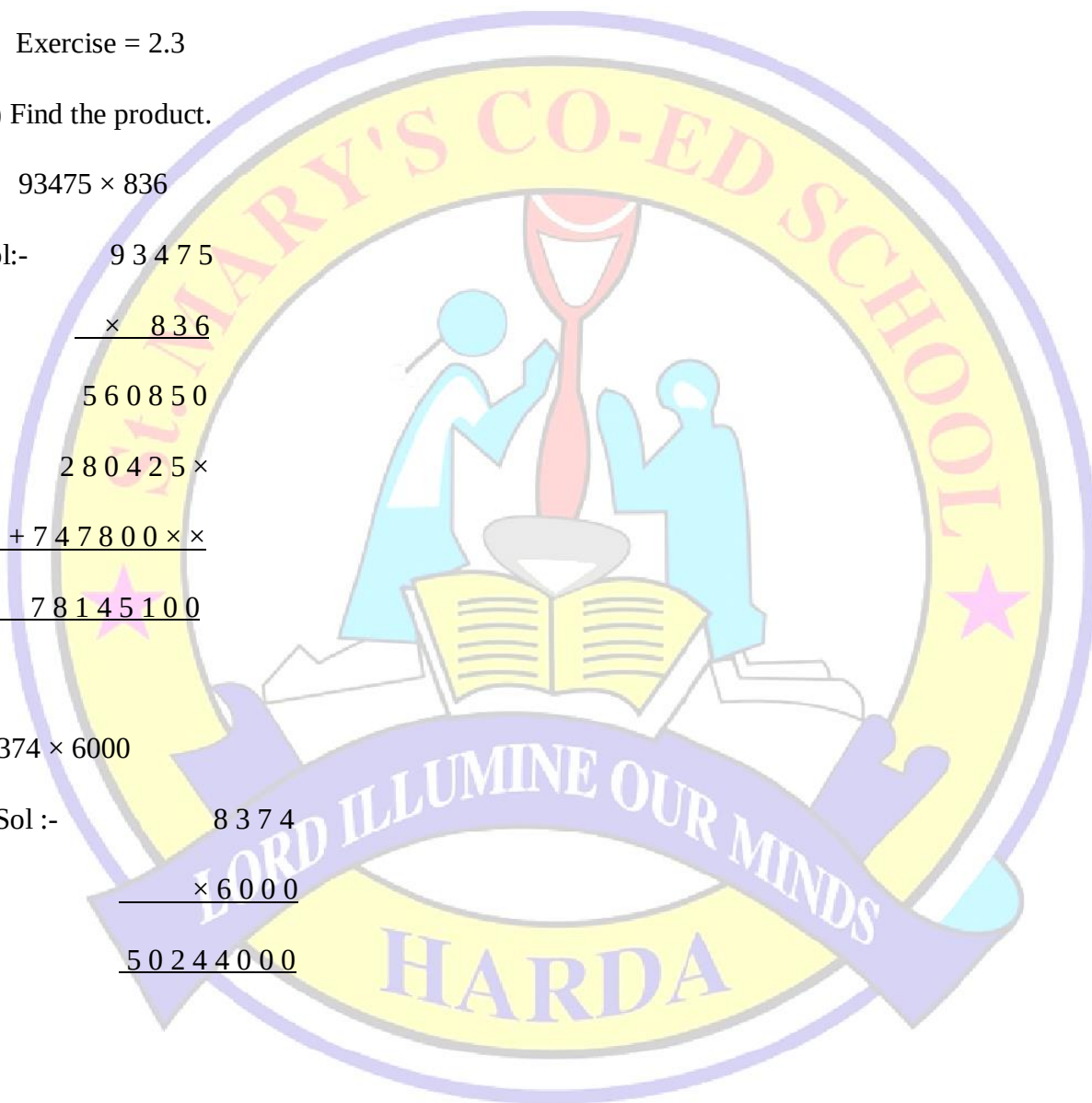
Sol :-

$$\begin{array}{r}
 8374 \\
 \times 6000 \\
 \hline
 50244000
 \end{array}$$

3) 2138095×9

Sol :- 2 1 3 8 0 9 5

$$\begin{array}{r}
 \quad \quad \times 9 \\
 \hline
 19242855
 \end{array}$$



4) 3136412×2

Sol :- 3 1 3 6 4 1 2

$$\begin{array}{r} \times 2 \\ \hline 6272824 \end{array}$$

5) $2347 \times 152 \times 18$

Sol :- 2 3 4 7

$$\begin{array}{r} \times 152 \\ \hline \end{array}$$

$$4694$$

$$11735 \times$$

$$+ 2347 \times \times$$

$$\hline 356744$$

Then,

$$\star 356744$$

$$\times 18$$

$$2853952$$

$$+ 356744 \times$$

$$\hline 6421392$$

6) 9784×97

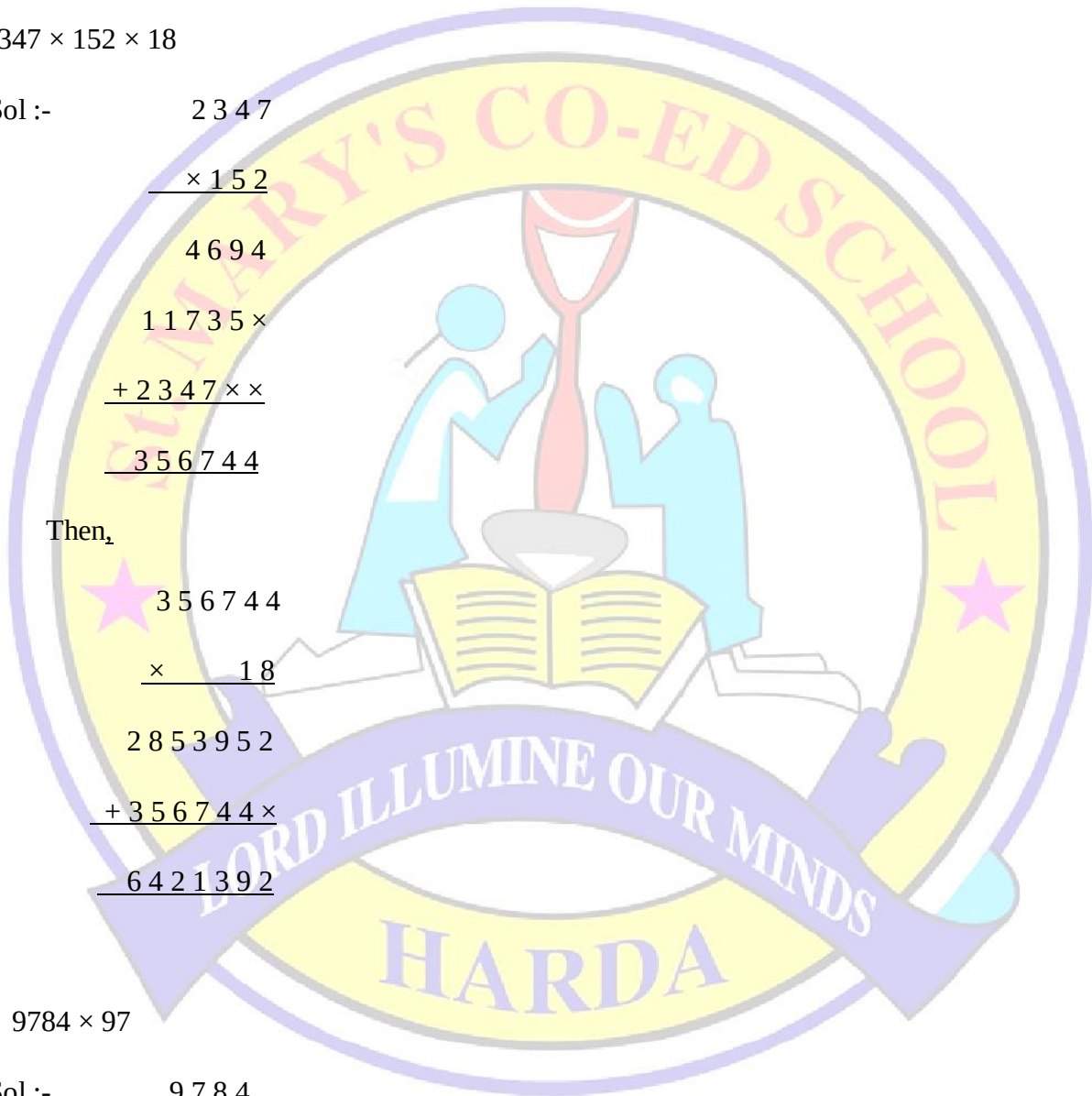
Sol :- 9 7 8 4

$$ \times 97$$

$$68488$$

$$+ 88056 \times$$

$$\hline 949048$$



B) Solve.

1) What is the product of the largest 5-digit number and the smallest 4-digit number ?

(Hint : $99999 \times 1000 = ?$)

Sol:- Largest 5-digit number = 99,999

Smallest 4-digit number = $\times 1,000$

Product = $\underline{9,99,99,000}$

2) A departmental store has 37 shops on each floor. If each shop needs 29,746 tiles, how many tiles will be required altogether ?

Sol:- Tiles in each shop = 29,746

Total shops = $\times 37$

$\underline{2,08,222}$

$\underline{89,238 \times}$

Tiles required altogether = $\underline{11,00,602}$

3) A toll booth collects Rs 150 from each vehicle which passes by . If 7,43,196 vehicles cross the booth in a day ,find the total amount collected ?

Sol:- Total vehicles cross in a day = 7,43,196

Money collected from each vehicle = $\times 150$

$\underline{3715980}$

$\underline{743196 \times}$

Total amount collected = $\underline{111479400}$

Exercise = 2.4

A) Write the quotient and remainder for each of the following.

1) $3748163 \div 10000$

Sol :- $\underline{3748163} \div \underline{10000}$

$$Q = 374 , R = 8163$$

$$2) 2910086 \div 1000$$

$$\text{Sol :- } 2910086 \div 1000$$

$$Q = 2910 , R = 086$$

$$3) 4287 \div 100$$

$$\text{Sol :- } 4287 \div 100$$

$$Q = 42 , R = 87$$

B) Find the quotient and remainder .Then check your answer.

$$1) 63768244 \div 4628$$

$$\text{Sol :- } \underline{13778}$$

$$4628 \sqrt{63768244}$$

$$- \underline{4628}$$

$$17488$$

$$- \underline{13884}$$

$$036042$$

$$- \underline{32396}$$

$$036464$$

$$- \underline{32396}$$

$$040684$$

$$- \underline{37024}$$

$$03660$$

$$Q = 13778 , R = 3660$$

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

$$63768244 = 13778 \times 4628 + 3660$$

$$63768244 = 63764584 + 3660$$

$$63768244 = 63768244$$

2) $7230113 \div 673$

Sol :- 10743

$$673 \sqrt{7230113}$$

$$\begin{array}{r} - 673 \\ \hline \end{array}$$

$$05001$$

$$\begin{array}{r} - 4711 \\ \hline \end{array}$$

$$02901$$

$$\begin{array}{r} - 2692 \\ \hline \end{array}$$

$$02093$$

$$\begin{array}{r} - 2019 \\ \hline \end{array}$$

$$74$$

$$Q = 10743, R = 74$$

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

$$7230113 = 10743 \times 673 + 74$$

$$7230113 = 7230113$$

3) $11849600 \div 9050$

Sol :- 1309

$$9050 \sqrt{11849600}$$

$$\begin{array}{r} - 9050 \\ \hline \end{array}$$

$$27996$$

$$\begin{array}{r} - 27150 \\ \hline \end{array}$$

$$0084600$$

$$\begin{array}{r} - 81450 \\ \hline \end{array}$$

0 3 1 5 0

$$Q = 1309, R = 3150$$

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

$$11849600 = 1309 \times 9050 + 3150$$

$$11849600 = 11849600$$

C) Solve .

1) 275 trees can grow in one orchard. If the total number of trees are 17,47,350, how many orchards will they grow in ?

Sol :- Total no. of trees = 17,47,350

Trees in one orchard = 275

Number of orchards = $17,47,350 \div 275$

= 6354

$$\begin{array}{r} 6354 \\ 275 \overline{) 1747350} \\ \underline{- 1650} \\ 00973 \\ \underline{- 825} \\ 1485 \\ \underline{- 1375} \\ 01100 \\ \underline{- 1100} \\ 0000 \end{array}$$

$$Q = 6354$$

2) Divide the greatest 8-digit number by the smallest 4-digit number.

Sol :- Greatest 8-digit number = 99999999

Smallest 4-digit number = 1000

So, $99999999 \div 1000$

Q = 99999 R = 999

Exercise = 2.5

Simplify.

1) $8 \div 4 + 3 \times 7 - 4 + 5$

Sol:- $2 + 3 \times 7 - 4 + 5$

$= 2 + 21 - 4 + 5$

$= 23 - 4 + 5$

$= 23 + 5 - 4$

$= 28 - 4$

$= 24$

2) $(6 + 9) - (4 + 5) \div 0$

Sol :- $15 - 9 \div 0$

$= \text{Not defined}$

3) $75 \times \{12 + (3 \times 10)\} \div 3$

Sol :- $75 \times \{12 + 30\} \div 3$

$= 75 \times 42 \div 3$

$= 75 \times 14$

$= 1050$

4) $18 - (2 \text{ of } 2 \times 2) \div 2$

$$\text{Sol :- } 18 - (4 \times 2) \div 2$$

$$= 18 - 8 \div 2$$

$$= 18 - 4$$

$$= 14$$

$$5) \{ 7 \text{ of } 42 \div (3 + 3) \} - 2 - 1 \text{ of } 4$$

$$\text{Sol :- } \{ 7 \text{ of } 42 \div 6 \} - 2 - 1 \text{ of } 4$$

$$= \{ 294 \div 6 \} - 2 - 1 \text{ of } 4$$

$$= \{ 49 \} - 2 - 1 \text{ of } 4$$

$$= 49 - 2 - 4$$

$$= 47 - 4$$

$$= 43$$

$$6) 28 + 18 \div 3 - 4 \times 8$$

$$\text{Sol :- } 28 + 6 - 4 \times 8$$

$$= 28 + 6 - 32$$

$$= 34 - 32$$

$$= 2$$

