

NCERT SOLUTIONS

CLASS - 5th



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Class : 5th
Subject : Maths
Chapter : 13
Chapter Name : Ways To Multiply And Divide

Q1 Use Bela's method to multiply these numbers.

(a) 32×46 (b) 67×18

Answer.

(a) 32×46

$$\begin{array}{r} \times 46 \\ 192 \\ +1280 \\ \hline 1472 \end{array}$$

(b) 67×18

$$\begin{array}{r} \times 18 \\ 536 \\ +670 \\ \hline 1206 \end{array}$$

Page : 171 , Block Name : Practice Time

Q2 Do these in your notebook using Bela's method.

(a) 47×19 (b) 188×91 (c) 63×57

(d) 225×22 (e) 360×12 (f) 163×42

Answer.

(a)

$$\begin{array}{r} \times 19 \\ 423 \\ +470 \\ \hline 893 \end{array}$$

(b)

$$\begin{array}{r} 188 \\ \times 91 \\ \hline 188 \\ +16920 \\ \hline 17108 \end{array}$$

(c)

$$\begin{array}{r} 63 \\ \times 57 \\ \hline 441 \\ +3150 \\ \hline 3591 \end{array}$$

(d)

$$\begin{array}{r} 225 \\ \times 22 \\ \hline 450 \\ +4500 \\ \hline 4950 \end{array}$$

(e)

$$\begin{array}{r} 360 \\ \times 12 \\ \hline 720 \\ +3600 \\ \hline 4320 \end{array}$$

(f)

$$\begin{array}{r} 163 \\ \times 42 \\ \hline 326 \\ +6520 \\ \hline 6846 \end{array}$$

Page : 171 , Block Name : Practice Time

Q1 Shantaram is a special cook who comes only on party days. Last year he was called for only 28 days. For each day he has to be paid ? 165. Find out how much money he will get in all.

Answer.

Wages for one day = = Rs 165.

The Number of days = 28

$$\begin{array}{r}
 165 \\
 \times 28 \\
 \hline
 1320 \\
 +3300 \\
 \hline
 4620
 \end{array}$$

Shantaram will get Rs 4,620.

Page : 172 , Block Name : Shantaram A Special Cook

Q2 If he called for all days of the year, how much salary will he get?

Answer. No. of Days in year = 365

$$\begin{array}{r}
 165 \\
 \times 365 \\
 \hline
 825 \\
 9900 \\
 +49500 \\
 \hline
 60225
 \end{array}$$

He will get total Rs 60,225

Page : 172 , Block Name : Shantaram A Special Cook

Q3 Now find the salaries of the minister and horse rider for 1 year.

Answer. Minister's salary for one day = Rs 195.

Number of days in one year = 365

$$\begin{array}{r}
 195 \\
 \times 365 \\
 \hline
 975 \\
 11700 \\
 +58500 \\
 \hline
 71175
 \end{array}$$

Minister's salary = 71,175

Horse rider's salary for one day = Rs 76.

$$\begin{array}{r}
 76 \\
 \times 365 \\
 \hline
 380 \\
 +4560 \\
 +22800 \\
 \hline
 27720
 \end{array}$$

Horse rider's salary = 27,720

Page : 172 , Block Name : Shantaram A Special Cook

Q1 Sohan drinks 8 glasses of water everyday.

(a) How many glasses will he drink in one month?

(b) How many glasses will he drink in one year?

(c) If 25 people living in a colony drink 8 glasses of water in a day, how much water – will they drink in a year?

(d) Can you guess how many glasses of drinking water are used in a day in your colony?

Answer.

(a) $8 \times 30 = 240$

(b) $8 \times 365 = 2920$

(c) $8 \times 125 = 1000$, they drink 1000 glasses of water in a day. Hence, in 365 days they will drink $365 \times 1000 = 365,000$ glass of water.

(d) Number of people in my colony = 450

Hence, $8 \times 450 = 3600$.

Page : 172 , Block Name : Years And Years

Q2 If Soha's heart beats 72 times in one minute, how many times does it beat in one hour? Now find out how many times it beats in one day. Count your own heart beats to find out how many times your heart beats in one week.

Answer. Heartbeats in 1 minute = 72 times.

Now, heartbeats in 1 hour or 60 minutes = $60 \times 72 = 4320$.

Heartbeats in 1 day or 24 hours = $4320 \times 24 = 103680$.

4320

$\times 24$

17280

$+86400$

103680

My heart beats in 1 minute = 60 times.

Hence, my heart beat in 1 hour = $60 \times 60 = 3600$.

My heart beats in 1 day = $3600 \times 24 = 86,400$.

My heart beats in 1 week = $86,400 \times 7 = 604,800$.

Page : 172 , Block Name : Years And Years

Q3 A baby elephant drinks around 12 L of milk every day. How much milk will it drink in two years?

Answer.

Milk drink in 1 day = 12L

The Number of days in 2 years = $365 \times 2 = 730$.

Hence, milk drink in 730 days = 730×12

730

$$\begin{array}{r} \times 12 \\ 1460 \\ + 7300 \\ \hline 8760 \end{array}$$

Hence, the baby elephant consumes 8,760 L of milk in two years.

Page : 172 , Block Name : Years And Years

Q4 A baby blue whale drinks around 200 L of milk in one day. Just imagine how much milk that is! Find out how many days your family would use 200 L milk. How much milk would the baby blue whale drink in eight months?

Answer. Milk consumed by the baby blue whale in 1 day = 200 L.

Milk consumed by the baby blue whale in 1 month or 30 days = $200 \times 30 = 6000$ L

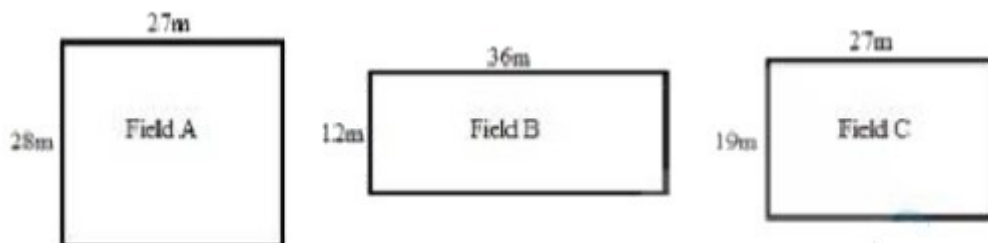
Milk consumed in 8 months = $6000 \times 8 = 48000$ L

My family consumed 4 L milk in 1 day.

Hence, the number of consuming 200 L milk = $200 \div 4 = 50$ days.

Page : 172 , Block Name : Years And Years

Q1



Find the area of all the three fields.

Field(A).....square meter.

Field(B).....square meter.

Field(C).....square meter.

Answer. Area of field A :

Area of rectangle = Length \times Breadth

$$= 28 \times 27$$

$$\begin{array}{r} 28 \\ 196 \\ + 560 \\ \hline 756 \end{array}$$

= 756 square meters.

Area of field B :

Area of rectangle = Length \times Breadth

$$= 36 \times 12$$

$$\begin{array}{r} 36 \\ \hline 72 \\ +360 \\ \hline 732 \end{array}$$

$$= 432 \text{ square meter}$$

Area of field C :

$$\text{Area of rectangle} = \text{Length} \times \text{Breath}$$

$$= 27 \times 19$$

$$\begin{array}{r} 27 \\ \hline 27 \\ \times 19 \\ \hline 243 \\ +270 \\ \hline 513 \end{array}$$

$$= 513 \text{ square meter}$$

Page : 173 , Block Name : Karunya — The Landlord

Q2 He bought field (A) at the rate of Rs 95 for a square metre, field (B) at Rs110 for a square metre and field (C) at Rs 120 for a square metre. Find the cost of all three fields.

Answer. Cost of field A :

The rate of field A = Rs 95

Hence, cost = $\text{Area} \times \text{Rate}$

$$= 756 \times 95 = \text{Rs } 71820$$

Cost of field B:

The rate of field B= Rs 110

Hence, cost = $\text{Area} \times \text{Rate}$

$$= 432 \times 110 = \text{Rs } 47520$$

Cost of field C:

The rate of field C= Rs 120

Hence, cost = $\text{Area} \times \text{Rate}$

$$= 513 \times 120 = \text{Rs } 61560$$

$$\text{Now, the total cost is} = 71820 + 47520 + 61560 = \text{Rs } 180900.$$

Page : 174 , Block Name : Karunya — The Landlord

Q3 Thulasi and her husband work on Karunya's farm. The Government has said that farmworkers should be paid at least Rs 71 for one day's work. But he pays Rs 55 to Thulasi and Rs58 to her husband.If Thulasi works for 49 days, how much money does she get? If her husband works for 42 days, how much money does he get? Find the money they earn together.

Answer. Thulasi's one days' wages = Rs 55.

$$\text{So, 49 day's wages} = 49 \times 55 = 2695$$

$$\begin{array}{r}
 49 \\
 \times 55 \\
 \hline
 245 \\
 + 2450 \\
 \hline
 2695
 \end{array}$$

Her husband's one day's wages = Rs 58

Hence, 42 day's wages = $58 \times 42 = 2436$

$$\begin{array}{r}
 58 \\
 \times 42 \\
 \hline
 116 \\
 + 2320 \\
 \hline
 2436
 \end{array}$$

So, the total earning is = $2695 + 2436 = \text{Rs } 5131$

Page : 174 , Block Name : Karunya — The Landlord

Q4 "I saw this in the newspaper. Governments of different states have said that farm workers should not be paid less than this salary for a day's work."

State	Salary for one day
Haryana	₹ 135
Rajasthan	₹ 73
Madhya Pradesh	₹ 97
Orissa	₹ 75

The table shows the amounts fixed by four states".

For farm work which state has fixed the highest amount? Which state has fixed the lowest?

Answer. Haryana has fixed the highest amount and Rajasthan has the lowest amount.

Page : 175 , Block Name : Karunya — The Landlord

Q5 Bhiron Singh is a worker in Rajasthan for 8 weeks on the farm, how much will he earn?

Answer. Wages in Rajasthan for 1 day = Rs 73.

Wages for 1 week = $73 \times 7 = \text{Rs } 511$.

Wages for 8 weeks = $511 \times 8 = \text{Rs } 4088$.

Page : 175 , Block Name : Karunya — The Landlord

Q6 Neelam is a worker in Haryana, If she works for 2 & half months on the farm, how much will she earn ?

Answer. Wages in Haryana for 1 day = Rs 135

Number of days in 2 and 1 / 2 months

$$\begin{aligned}
&= 2 \times 30 + \frac{1}{2} \times 30 \\
&= 60 + 15 = 75 \text{ days} \\
\text{Wages for 75 days} &= 135 \times 75 \\
&= \text{Rs } 10125
\end{aligned}$$

Page : 175 , Block Name : Karunya — The Landlord

Q7 How much more will a farm worker in Madhya Pradesh get than a worker in Orissa after working for 9 weeks?

Answer. Wages in Madhya Pradesh in 1 day = Rs 97
Wages for a day in Orissa = Rs 75
Difference in daily wages = 97-75 = Rs 22
Number of the day in 9 weeks = 9x7 = 63
The difference in wages for 9 weeks = 63x22 = Rs 1386

Page : 175 , Block Name : Karunya — The Landlord

Q1 Satta's story

Satish is a 13 years old boy. His father had taken a loan for farming. But the crops failed Now Satish's mother has to pay Rs 5000 every month for the loan.

Satish started working — be looked after 17 goats of the village. He earns Rupee 1 every day for one goat

How much will be earn in one month?

Answer.
 $17 \times 30 = \text{Rs } 510$

Page : 176 , Block Name : Farmers In Vidarbha (Maharashtra)

Q2 Does he earn enough to help pay the loan every month?

Answer. No, he doesn't get enough money to pay the loan per month.

Page : 176 , Block Name : Farmers In Vidarbha (Maharashtra)

Q3 How much will he earn in one year?

Answer. Satish's earn in 1 year = $510 \times 12 = \text{Rs } 6120$

Page : 176 , Block Name : Farmers In Vidarbha (Maharashtra)

Q1 Kamla Bai's story:

To help farmers the State Government gave cows. Kamla Bai Gudhe also got a cow. The cost of the cow was Rs 17,500. She had to pay Rs 5,500 and the government spent the rest of the money. How much did the government spend on the cow?

Answer. Cost of cow = Rs 17,500

Money paid by Kamla Bai = Rs 5500

Hence, money spent by the government = $17500 - 5500 = \text{Rs } 12000$

Page : 176 , Block Name : Farmers In Vidarbha (Maharashtra)

Q2 If 9 people from her village got cows, how much did the government spend in all?

Answer. Government spent for 1 cow = 12000

For 9 cows = $12000 \times 9 = \text{Rs } 108000$

Page : 176 , Block Name : Farmers In Vidarbha (Maharashtra)

Q3 If Kamla Bai spends Rs 85 a day, find out how much she will spend in one month.

Answer. Money Spent in 1 day = Rs 85

Hence, money spent in 1 month = $85 \times 30 = \text{Rs } 2550$

Page : 176 , Block Name : Farmers In Vidarbha (Maharashtra)

Q4 The cow gives 8 liters of milk every day. How much will it give in one month?

Answer. Milk in 1 month = $8 \times 30 = 240\text{L}$

Page : 176 , Block Name : Farmers In Vidarbha (Maharashtra)

Q5 If the milk is sold at Rs 9 per liter, how much money will Kamla Bai make in one month?

Answer.

$240 \text{ L milk} = 9 \times 240 = \text{Rs } 2160$

Page : 177 , Block Name : Farmers In Vidarbha (Maharashtra)

Q6 So the money spent on keeping the cow was?

Answer. Rs. 2550.

Page : 177 , Block Name : Farmers In Vidarbha (Maharashtra)

Q7 Money earned by selling the milk?

Answer. Rs 2160.

Page : 177 , Block Name : Farmers In Vidarbha (Maharashtra)

Q8 Which is more money spent on the cow or money earned from it ? how much?

Answer. Money spent on a cow is more than the money earned from it.

Page : 177 , Block Name : Farmers In Vidarbha (Maharashtra)

Q9 Explain why she wanted to sell the cow?

Answer. She is running losses. So, she wants to sell the cow.

Page : 177 , Block Name : Farmers In Vidarbha (Maharashtra)

Q1 Sukhi works on a farm. He is paid Rs 98 for one day. If he works for 52 days, how much will he earn?

Answer. Wages for 1 day = Rs 98

Hence, wages for 52 days = $98 \times 52 = Rs\ 5006$

Page : 177 , Block Name : Practice Time

Q2 Hariya took a loan to build his house. He has to pay back Rs. 2,750 every month for two years. How much will he pay back in 2 years?

Answer. Amount of loan per month = Rs 2750

Loan to be paid in 1 year = $2750 \times 12 = Rs\ 33000$

Loan to be paid in 2 years = $3300 \times 2 = Rs\ 66000$

Page : 177 , Block Name : Practice Time

Q3 Ratiram is a milk seller in the city. He sells 13 liters of milk every day at Rs 23 per liter. How much does he earn?

Answer. Price of 1 L milk = Rs 23

Price of 13 L milk = $23 \times 13 = 299$

Page : 177 , Block Name : Practice Time

Q4 A farmer sells 1 L of milk for Rs 11. In one month he sells 210 Liters of milk. how much does

he earn in a month?

Answer. $210 \times 11 = Rs\ 2310$

Page : 177 , Block Name : Practice Time

Q5 A company sells 1 L of packed water for 12, A shopkeeper buys 240 liters of packed water. How much does he pay?

Answer.

$$12 \times 240 = Rs\ 2880.$$

He will pay a total of 2880.

Page : 177 , Block Name : Practice Time

Q1 Look for the pattern and take this forward

$$(0 \times 9) + 1 = 1$$

$$(1 \times 9) + 2 = 11$$

$$(12 \times 9) + 3 = 111$$

$$(123 \times 9) + 4 = 1111$$

$$(1234 \times 9) + 5 = 11111$$

$$(12345 \times 9) + 6 = 111111$$

Answer. The number of 1's increases at every step in this pattern

Page : 178 , Block Name : Fun with multiplication

Q2 Each letter a,b,c here stands for a number.

$$\begin{array}{r} \text{aaa} \\ \times \text{aaa} \\ \hline \text{aaa} \\ \text{aaa0} \\ + \text{aaa00} \\ \hline \text{abcba} \end{array}$$

Take $a = 1$, then find what the numbers b and c will be.

Answer. Put $a = 1$, then we have

$$\begin{array}{r}
 111 \\
 \times 111 \\
 \hline
 111 \\
 1110 \\
 + 11100 \\
 \hline
 12321
 \end{array}$$

Hence, $b = 2$, & $c = 3$.

Page : 178 , Block Name : Fun With Multiplication

Q3 Tricks with your age

Write your age:

Multiply it by 7:

Again, multiply the answer by 13:

Multiply again that answer by 11:

Now look at your last answer. Can you find your age in that answer?

Answer. My age = 9 years

Multiply by 7:

$$9 \times 7 = 63$$

Multiply by 13:

$$63 \times 13 = 819$$

Multiply by 11:

$$819 \times 11 = 9009$$

The age is 9.

Page : 178 , Block Name : Fun With Multiplication

Q4 Going round and round!

$$142857 \times 1 = ?$$

$$142857 \times 2 = ?$$

$$142857 \times 3 = ?$$

$$142857 \times 4 = ?$$

$$142857 \times 5 = ?$$

Answer.

$$142857 \times 1 = 142857$$

$$142857 \times 2 = 285714$$

$$142857 \times 3 = 428571$$

$$142857 \times 4 = 571428$$

$$142857 \times 5 = 714285$$

Q1 Dolma took a loan from a friend to buy a moped for Rs 9.588. She has to pay it back in equal amounts every month for six months. How much will she have to pay every month? She asked her children to calculate. Her daughter did it this way

$$\begin{array}{r}
 500 + 500 + 500 + 90 + 8 \\
 6 \overline{) 9588} \\
 \underline{- 3000} \\
 6588 \\
 \underline{- 3000} \\
 3588 \\
 \underline{- 3000} \\
 588 \\
 \underline{- 540} \\
 48 \\
 \underline{- 48} \\
 \hline
 X
 \end{array}$$

Her son starts this way.

$$\begin{array}{r}
 1000 + \\
 \underline{9588} \\
 -6000 \\
 \hline
 \rightarrow
 \end{array}$$

Now you complete it.

Answer.

$$\begin{array}{r}
 1000 + 500 + 90 + 8 \\
 6 \overline{) 9588} \\
 \underline{- 6000} \\
 3588 \\
 \underline{- 3000} \\
 588 \\
 \underline{- 540} \\
 48 \\
 \underline{- 48} \\
 \hline
 X
 \end{array}$$

Daughter's solution = $500+500+500+90+8 = 1598$

Son's Solution = $1000+500+90+8 = 1598$

Since both of them got the same solution, so she will have to pay Rs 1598 every month for 6 months.

Q1 Try to solve these using as few steps as you can

a) $4228 \div 4$ b) $770 \div 22$ c) $9872 \div 8$

d) $672 \div 21$ e) $772 \div 7$ f) $639 \div 13$

Answer. a) $4228 \div 4$

$$\begin{array}{r} \frac{1000+50+7}{4228} \\ -4000 \\ \hline 228 \\ -200 \\ \hline 28 \\ -28 \\ \hline X \end{array}$$

Hence, $4228 \div 4 = 1000 + 50 + 7 = 1057$

b)

$770 \div 22$

$$\begin{array}{r} 22)770(35 \\ -66 \\ \hline 110 \\ -110 \\ \hline 0 \end{array}$$

c) Missing

d)

$672 \div 21$

$$\begin{array}{r} 21) 672 (32 \\ -63 \\ \hline 42 \\ -42 \\ \hline 0 \end{array}$$

Hence, $672 \div 21 = 30 + 2 = 32$

e)

$772 \div 7$

$$\begin{array}{r} \frac{100+10}{7)772} \\ -700 \\ \hline 72 \\ -70 \\ \hline 2 \end{array}$$

Hence, $772 \div 7 = 100 + 10 = 110$

f)

$639 \div 13$

$$\begin{array}{r}
 40+9 \\
 \hline
 639 \\
 -520 \\
 \hline
 119 \\
 -117 \\
 \hline
 2
 \end{array}$$

$$639 \div 13 = 40 + 9 = 49$$

Page : 180 , Block Name : Practice Time

Q2 976 children are going on a picnic. They will be taken in mini buses. If 25 children can go in one bus, how many buses do they need? Two children have solved it. Check if they have made a mistake, correct it. Discuss

a)

$$\begin{array}{r}
 5+10+10+10+4 \\
 \hline
 25)976 \\
 \underline{-125} \\
 851 \\
 \underline{-250} \\
 601 \\
 \underline{-250} \\
 351 \\
 \underline{-250} \\
 101 \\
 \underline{-100} \\
 X
 \end{array}$$

b)

$$\begin{array}{r}
 20+10+4+1 \\
 \hline
 25)976 \\
 \underline{-500} \\
 476 \\
 \underline{-250} \\
 226 \\
 \underline{-125} \\
 101 \\
 \underline{-100} \\
 1
 \end{array}$$

Answer.

a)

In the first answer, the mistake is in the remainder. The remainder should be 1 instead of zero.

b) the error is in the third and fourth steps of division, the quotients in those steps should be 5 and 4 as shown below.

$$\begin{array}{r}
 20+10+4+1 \\
 \hline
 25)976 \\
 \underline{-500} \\
 476 \\
 \underline{-250} \\
 226 \\
 \underline{-125} \\
 101 \\
 \underline{-100} \\
 1
 \end{array}$$

So, 1 child is left. The child can have accommodated in one of the buses then we need 39 buses. Otherwise, we need 40 buses. Since taking 1 bus for 1 child is not possible so 39 buses will do.

Page : 180 , Block Name : Practice Time

Q1 Isha has Rs 1000 with her. She wants to buy petrol. One litre of petrol costs Rs 47. How many litres can she buy?

Answer.

$$\begin{array}{r} 20+1 \\ 1000 \\ -940 \\ \hline 60 \\ -47 \\ \hline 13 \end{array}$$

Isha can buy 21L of petrol.

Page : 181 , Block Name : How Much Petrol ?

Q2 If lisha comes to your city, how much petrol can she buy with the same money?

$$\begin{array}{r} 10+4 \\ 1000 \\ -680 \\ \hline 320 \\ -272 \\ \hline 48 \end{array}$$

She can buy 14 Liters of petrol.

Page : 181 , Block Name : How Much Petrol?

Q1 Complete Inu's and Sreeni's way of division?

Answer.

$$\begin{array}{r} 100+100+40+2 \\ \hline 4)969 \\ -400 \\ \hline 569 \\ -400 \\ \hline 169 \\ -160 \\ \hline 169 \\ -8 \\ \hline 1 \end{array}$$

quotient = 242

Remainder = 1

Sreeni's division

$$\begin{array}{r}
 200+40+2 \\
 \hline
 4)969 \\
 -800 \\
 \hline
 169 \\
 -160 \\
 \hline
 9 \\
 -8 \\
 \hline
 1
 \end{array}$$

quotient = 242

Remainder = 1

Page : 181 , Block Name : Children's Day

Q1 44, 576 books are to be packed in boxes. If one box has 24 books, how many boxes are needed?

Answer.

$$\begin{array}{r}
 20+4 \\
 \hline
 24)576 \\
 -480 \\
 \hline
 96 \\
 -96 \\
 \hline
 X
 \end{array}$$

Hence, 24 boxes are needed.

Page : 183 , Block Name : Practice Time

Q2 836 people are watching a movie in a hall. If the hall has 44 rows. How many people can sit in 1 row ?

Answer. Total number of people = 836

Number of rows = 44

Hence, number of people in 1 row = $836 \div 44 = 19$

Page : 183 , Block Name : Practice Time

Q3 A gardener bought 458 apple trees. He wants to plant 15 trees in each row:
How many rows can he plant

Answer. The Total number of trees in a row = 15

Number of row = $458 \div 15$

$$\begin{array}{r}
 15) \frac{30}{458} \\
 -450 \\
 \hline
 8
 \end{array}$$

quotient = 30

Remainder = 8

So, 450 trees will be planted in 30 rows and 8 trees will be left.

Page : 183 , Block Name : Practice Time

Q1 Shyamli bought a battery. She read on it 'Life 2000 hours', She uses it throughout the day the night. How many days will the battery run?

Answer. Total life of battery = 2000 hours

Number of the hour in a day and night = 24

Number of days the battery lasts = $2000 \div 24$

$$\begin{array}{r} 80+3 \\ 24 \overline{)2000} \\ \underline{-1920} \\ 80 \\ \underline{72} \\ 8 \end{array}$$

quotient = 83

Remainder = 8 <

Since, $8/24 = \frac{1}{3}$

So, the battery will last 83 days and $\frac{1}{3}$ days

Page : 183 , Block Name : Brain Teaser

Q1 A tank is full of 300 L of water. How much water will be filled in 25 tanks? If 15 buckets can be filled with one tank of water, how many buckets in all can be filled with the water in 25 tanks?

Answer. Water in 1 tank = 300 L

Water in 25 Tank = $300 \times 25 = 7500$ L

Now, water in 25 tanks = $25 \times 15 = 375$ buckets

Page : 183 , Block Name : More With Multiplication And Division

Q2 There are 28 laddoos in 1kg . How many laddoos will be there in 12 kg ? If 16 Laddoos can be packed in 1 box, how many boxes are needed to pack all these laddoos?

Answer. Number of laddoos in 1 kg = 28

Hence, number of laddoos in 12 kg = $28 \times 12 = 336$ laddoos

Number of laddoos in 1 box = 16

Total number of laddoos = 336

Hence, number of boxes needed for 336 laddoos = $336 \div 16 = 21$

Page : 183 , Block Name : More With Multiplication And Division

Q3 There are 26 rooms in a school. Each room has 4 plants. If each plant needs 2 cups of water, how much water do we need for all the plants?

Answer.

4 plants need $4 \times 2 = 8$

Water needed for 26 rooms = $26 \times 8 = 208$ cup of water.

Page : 183 , Block Name : More With Multiplication And Division

Q1 A shopkeeper has 50 boxes. There are 48 fruits in one box.

Tick the one question which matches with the given problem.

- (a) How much will the shopkeeper pay in all?
- (b) How many fruits are there in all?
- (c) How many more boxes will he need?

Answer. (b).

Page : 184 , Block Name : Make The Best Story Problem

Q2 children from a school went on a camping trip. Each tent had a group of 4 children.

- (a) How many children did each tent have?
- (b) How many tents do they need?
- (c) How many children in all are in the school?

Answer. (b).

Page : 184 , Block Name : Make the Best Story Problem

Q3 A shopkeeper has 204 eggs. He puts them in egg trays. Each tray has 12 eggs.

- (a) How many more eggs will he needed?
- (b) How many fresh eggs does he sell?
- (c) How many egg trays does he need?

Answer. (c).

Page : 184 , Block Name : Make The Best Story Problem

Q4 The cost of one book is Rs47. Sonu buys 23 books.

- (a) How much money books?
- (b) How much money does she pay for the books?
- (c) What is the cost of 47 books?

Answer. (b).

Page : 185 , Block Name : Make The Best Story Problem

Q1 Do these divisions, Check your results by multiplication.

- a) $438 \div 9$
- b) $3480 \div 12$
- c) $450 \div 7$

$$d) 900 \div 10 \quad e) 678 \div 6 \quad f) 2475 \div 11$$

Answer.

$$(a) 438 \div 9$$

Quotient = 48 and remainder = 6

$$48 \times 9 + 6 = 432 + 6 = 438 \text{ hence, verified}$$

$$(b) 3480 \div 12$$

$$\begin{array}{r} 200 + 90 \\ \hline 12)3480 \\ -2400 \\ \hline 1080 \\ -1080 \\ \hline X \end{array}$$

quotient = 290

$$12 \times 290 = 3480 \text{ hence, verified.}$$

$$(c) 450 \div 7$$

$$\begin{array}{r} 60+4 \\ 7)450 \\ -420 \\ \hline 30 \\ -28 \\ \hline 2 \end{array}$$

Quotient = 64 and remainder = 2

$$64 \times 7 + 2 = 448 + 2 = 450 \text{ hence, verified.}$$

$$(d) 900 \div 10$$

$$\begin{array}{r} 10)900(90 \\ -900 \\ \hline X \end{array}$$

Quotient = 90

$$90 \times 10 = 900 \text{ hence, verified}$$

$$(e) 678 \div 6$$

$$\begin{array}{r} 100+10+3 \\ 6)678 \\ -600 \\ \hline 78 \\ -60 \\ \hline 18 \\ -18 \\ \hline X \end{array}$$

Quotient = 113

$$113 \times 6 = 678 \text{ hence verified}$$

(f) $2475 \div 11$

$$\begin{array}{r} 200+20+5 \\ \hline 11)2475 \\ -2200 \\ \hline 275 \\ -220 \\ \hline 55 \\ -55 \\ \hline X \end{array}$$

Quotient = 225

$225 \times 11 = 2475$

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Q2 Solve the given sums and colour the answers in the grid given below. See what you find.

Multiply :

a) 21×16

b) 15×7

c) 93×2

d) 17×5

e) 10×10

f) 10×26

g) 77×10

h) 50×10

i) 11×11

j) 59×7

k) 3×9

l) 85×30

m) 64×42

n) 19×3

Divide :

a) $3200 \div 40$

b) $248 \div 8$

c) $432 \div 18$

d) $729 \div 9$

e) $825 \div 5$

f) $221 \div 13$

g) $576 \div 12$

h) $288 \div 4$

- i) $869 \div 11$
- j) $847 \div 7$
- k) $981 + 3$
- l) $475 \div 19$

Answer. Multiply :

- a) $21 \times 16 = 336$
- b) $15 \times 7 = 105$
- c) $93 \times 2 = 186$
- d) $17 \times 5 = 85$
- e) $10 \times 10 = 100$
- f) $26 \times 26 = 676$
- g) $77 \times 10 = 770$
- h) $50 \times 10 = 500$
- i) $11 \times 11 = 121$
- j) $59 \times 7 = 413$
- k) $31 \times 19 = 589$
- l) $85 \times 30 = 2550$
- m) $64 \times 42 = 2688$
- n) $19 \times 3 = 57$

Divide :

- a) $3200 \div 40 = 80$
- b) $248 \div 8 = 31$
- c) $432 \div 18 = 24$
- d) $729 \div 9 = 81$
- e) $825 + 5 = 165$
- f) $221 \div 13 = 17$
- g) $576 \div 12 = 48$
- h) $288 \div 4 = 72$
- i) $869 \div 11 = 79$
- j) $847 + 7 = 121$
- k) $981 + 3 = 327$
- l) $475 + 19 = 25$

545	110	434	642	709	623	919	341	72	168
984	165	561	608	236	413	529	62	259	905
709	907	367	632	336	121	492	178	431	475
165	806	584	186	100	589	72	717	248	676
624	80	105	24	165	17	85	770	126	500
247	997	485	2688	81	80	48	901	327	121
742	427	756	531	79	2550	347	1001	314	57
945	1000	687	854	1200	999	24	3126	918	53
109	799	845	1999	864	955	123	1234	678	56
549	459	614	1864	834	559	900	1111	268	171