

Day-24-Aug 2020

Chapter-3

Multiplication

My Practice Time 1

1. Solve the following using multiplication tables.

(a) $3 \times 17 \Rightarrow 51$

(b) $14 \times 5 \Rightarrow 70$

(c) $17 \times 9 \Rightarrow 153$

(d) $2 \times 13 \Rightarrow 26$

(e) $10 \times 15 \Rightarrow 150$

(f) $8 \times 19 \Rightarrow 152$

(g) $3 \times 12 \Rightarrow 36$

(h) $6 \times 15 \Rightarrow 90$

(i) $17 \times 10 \Rightarrow 170$

(j) $20 \times 11 \Rightarrow 220$

(k) $5 \times 14 \Rightarrow 70$

(l) $4 \times 19 \Rightarrow 76$

Q2
Ans

Q2. Build and write multiplication tables of 17 and 19.

Ans $17 \times 1 = 17$

$17 \times 2 = 34$

$17 \times 3 = 51$

$17 \times 4 = 68$

$17 \times 5 = 85$

$17 \times 6 = 102$

$17 \times 7 = 119$

$17 \times 8 = 136$

$17 \times 9 = 153$

$17 \times 10 = 170.$

(ii) $19 \times 1 = 19$

$19 \times 2 = 38$

$19 \times 3 = 57$

$19 \times 4 = 76$

$19 \times 5 = 95$

$19 \times 6 = 114$

$19 \times 7 = 133$

$19 \times 8 = 152$

$19 \times 9 = 171$

$19 \times 10 = 190.$

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25 Aug 2020

My Practice Time - 2

1. Multiply the following:

(a)

	Th	Th	H	T	O	
			1	2	4	(Multiplicand)
x		3	1	3		(Multiplier)
		3	7	2		
	1	2	4	X		
	3	7	2	X	X	
	3	8	8	1	2	(Product)

(b)

	Th	H	T	O
	4	2	1	3
x				2
	8	4	2	6

(c)

	Th	Th	H	T	O	
			2	4	6	0
x				1	2	
		4	9	2	0	
	2	4	6	0	X	
	2	9	5	2	0	

(d)

	Th	Th	H	T	O	
		2	6	5	2	
x				2	5	
		1	3	2	6	0
	5	3	0	4	X	
	6	6	3	0	0	

6. Arrange in Columns and multiply.

(a) 126×231

	Th	Th	H	T	O
			1	2	6
x			2	3	1
		1	2	6	
		3	7	8	X
	2	5	2	X	X
	2	9	1	0	6

(b) 4281×5

	Th	Th	H	T	O
		①	④		
		4	2	8	1
X					5
	2	1	4	0	5

(c) 124×561

	Th	Th	① H	② T	O
			①	②	
			1	2	4
X			5	6	1
			1	2	4
	7	4	4	X	X
	6	2	0	X	X
	6	9	5	6	4

(d) 3451×12

	Th	Th	① H	T	O
		3	④	5	1
X		①		1	2
	①	6	9	0	2
	3	4	5	1	X
	4	1	4	1	2

(e) 1421×7

	Th	② Th	① H	T	O
		②	①		
		1	4	2	1
X					7
	9	9	4		7

(f) 4520×19

	Th	Th	H	T	O
		④	①		
		4	5	2	0
X					9
	4	0	6	8	0
	4	5	2	0	X
	8	5	8	8	0

(g) 261×147

	Th	Th	② H	T	O
			④		
			2	6	1
X		①	1	4	7
		1	8	2	7
	1	0	4	4	X
	2	6	1	X	X
	3	8	3	6	7

(h) 3456×5

	Th	② Th	② H	③ T	O
		②	②	③	
		3	4	5	6
X					5
	1	7	2	8	0

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Day 26 Aug 2020

MY Practice Time 3

1. Fill in the blanks.

- (a) $24 \times 100 = 2400$ (b) $126 \times 10 = 1260$
 (c) $279 \times 100 = 27900$ (d) $721 \times 10 = 7210$
 (e) $56 \times 1000 = 56000$ (f) $12 \times 1000 = 12000$
 (g) $129 \times 10 = 1290$ (h) $79 \times 1000 = 79000$

MY Practice Time 4

Q1. A box contains 3457 balls. How many balls are there in 5 such boxes?

Sol. Balls in 1 box $\rightarrow 3457$
 Balls in 5 boxes $\Rightarrow 3457 \times 5$

	Th	H	T	O
	3	4	5	7
				5
	1	7	2	8
				5

There are 17,285 balls in 5 boxes.

Q2. In a library there are 2465 books arranged in 9 shelves. How many books can be arranged in 12 such books shelves?

Sol. Books arranged in 1 shelf = 2465
 Books arranged in 12 shelves = 2465×12

	Th	H	T	O
	2	4	6	5
				0
	2	9	3	0
				0
	2	9	5	8
				0

There are 29,580 books arranged in 12 shelves.

Q3. Navneet collected 425 stamps every week. How many stamps will he be able to collect in 9 weeks, assuming he collects same number of stamps every week?

Sol. Stamps collected by Navneet in 1 week = 425
 Stamps collected by him in 9 weeks = 425×9

	Th	H	T	O
	4	2	5	
				9
	3	8	2	5

There are 3825 stamps collected by Navneet in 9 weeks.

Q4. A manufacturing company produces 2931 items in a day. How many items will it produce in 25 days?

Sol. Items produced in 1 day = 2931
 Items produced in 25 days = 2931×25

	Th	H	T	O
	2	9	3	1
				5
	7	3	2	7
				5

There are 73,275 items are produced in 25 days.

Q5. Find the product of the largest 3 digit number and the smallest 3 digit number.

Sol: Largest 3 digit number = 999
Smallest 3 digit number = 100

$$\begin{array}{r}
 \text{TH} \quad \text{H} \quad \text{T} \quad \text{O} \\
 999 \\
 \times 100 \\
 \hline
 000 \\
 000 \\
 999 \\
 \hline
 99900
 \end{array}$$

Q6. Radhika collected 125 pebbles in a day. Find how many pebbles she will be able to collect in a year, assuming the given year is a leap year.

Sol: Radhika collected pebbles in 1 day = 125
Radhika collected pebbles in 366 days = 125×366

$$\begin{array}{r}
 \text{TH} \quad \text{H} \quad \text{T} \quad \text{O} \\
 125 \\
 \times 366 \\
 \hline
 750 \\
 7500 \\
 37500 \\
 \hline
 45750
 \end{array}$$

There are 45,750 pebbles are collected by Radhika in 366 days.

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Day 27 Aug 2020

MY Practice Time - 5

Q1. Estimate the product by first rounding off the numbers to the nearest 10's.

(a) 56×9089

Ans $60 \times 90 \Rightarrow$

$$\begin{array}{r} 60 \\ \times 90 \\ \hline 5400 \end{array}$$

(b) 113×78

Ans $110 \times 80 =$

$$\begin{array}{r} 110 \\ \times 80 \\ \hline 8800 \end{array}$$

(c) 314×115

Ans $310 \times 120 \Rightarrow$

$$\begin{array}{r} 310 \\ \times 120 \\ \hline 37200 \end{array}$$

(d) 4126×7

Ans $\Rightarrow 4130 \times 10 \Rightarrow$

$$\begin{array}{r} 4130 \\ \times 10 \\ \hline 41300 \end{array}$$

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Q2. Find the estimated product, by first rounding off the numbers to the nearest 100's.

(a) 115×96

Ans $100 \times 100 \Rightarrow 10000$

(b) 82×56

Ans $100 \times 100 \Rightarrow 10000$

(c) 123×106

Ans $100 \times 100 \Rightarrow 10000$

(d) 596×121

Ans $600 \times 100 \Rightarrow 60000$

Q3. In a packet, there are 155 candies. If the shop owner purchased 125 such packets, then estimate how many candies will the shop owner have, to the nearest 100?

Sol. No. of candies in one packet = 155
No. of candies in 125 packets = 155×125
round off $\Rightarrow 200 \times 100$
 $\Rightarrow 20,000$
No. of candies in 125 packets = 20,000.

Q4. A manufacturing company manufactures 1375 toys in a month. How many toys will they manufacture in a year? Estimate to the nearest 10.

Sol. Toys manufactures in 1 month = 1375
Toys manufactures in 12 months = 1375×12
round off = 1380×10
 $\Rightarrow 13,800$

There are 13,800 toys manufactures in 12 months.