

Answers

Theme 4: How We Live Lesson-6: Multiplication

Main Coursebook

I am ready

- a. 6 b. 3 c. 18
1. a. 60 b. 450 c. 220

Catch Up (Page 64)

- To the right of the number
- To the right of the number
- Three zeros
- a. 800 b. 3400 c. 6500
- a. 777 b. 963 c. 892 d. 498
e. 585 f. 684
- a. 488 b. 2088 c. 2080 d. 6408
e. 7296 f. 8274

Catch Up (Page 67)

- 0 2. Yes 3. The 4-digit number
- a. 2142 b. 612 c. 3428 d. 0
e. 6 f. 8
- a. $16 \times 38 = 16 \times (30 + 8)$
 $= 16 \times 30 + 16 \times 8$
 $= 480 + 128$
 $= 608$
- b. $11 \times 24 = 11 \times (20 + 4)$
 $= 11 \times 20 + 11 \times 4$
 $= 220 + 44$
 $= 264$
- b. $3 \times (60 + 4) = 3 \times 60 + 3 \times 4 = 180 + 12 = 192$
- $7 \times (70 + 8) = 7 \times 70 + 7 \times 8 = 490 + 56 = 546$
- $11 \times (50 + 2) = 11 \times 50 + 11 \times 2 = 550 + 22 = 572$
- a. 403 b. 924 c. 1176 d. 1908
e. 3432 f. 4224 g. 4128 h. 7005
- c. 4032 balloons d. 300 pencils
e. 1108 people f. 7545 petals
g. ₹8400 h. 4608 students

Mental Maths

- a. 80 b. 420 c. 1600 d. 600
- b. $42 \times 4 = (40 + 2) \times 4$
 $= 40 \times 4 + 2 \times 4$
 $= 160 + 8$
 $= 168$
- c. 504 d. 456 e. 594 f. 306
- a. 900 b. 700 c. 800 d. 500
e. 440 f. 2700

I am a learner

- A. 1. b 2. c 3. a. 4. b 5. a

B.

37×40	28×70	7×200	14×50	12×600	5×900
7200	4500	1960	1400	1480	700

- C. 1. $85 \times 42 = 85 \times (40 + 2)$
 $= 85 \times 40 + 85 \times 2$
 $= 3400 + 170 = 3570$
2. $112 \times 35 = 112 \times (30 + 5)$
 $= 112 \times 30 + 112 \times 5$
 $= 3360 + 560 = 3920$

D. 1.

	H	T	O
	4	2	1
x			2
<hr/>			
	8	4	2

2.

	TH	H	T	O
		2	4	5
x				6
<hr/>				
	1	4	7	0

3.

	TH	H	T	O
		6	9	7
x				9
<hr/>				
	6	2	7	3

4.

	TH	H	T	O
	1	3	3	2
x				3
<hr/>				
	3	9	9	6

5.

	TH	H	T	O
	1	9	3	7
x				5
<hr/>				
	9	6	8	5

6.

	TH	H	T	O
	2	1	4	5
x				4
<hr/>				
	8	5	8	0

$$\begin{array}{r}
 \begin{array}{ccc} \text{H} & \text{T} & \text{O} \\ & 3 & 2 \\ \times & 2 & 1 \\ \hline & 3 & 2 \\ + & 6 & 4 & 0 \\ \hline 6 & 7 & 2 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \begin{array}{ccc} \text{H} & \text{T} & \text{O} \\ & 5 & 7 \\ \times & 1 & 6 \\ \hline & 3 & 4 & 2 \\ + & 5 & 7 & 0 \\ \hline 9 & 1 & 2 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \begin{array}{cccc} \text{TH} & \text{H} & \text{T} & \text{O} \\ & & 8 & 5 \\ \times & & 2 & 6 \\ \hline & & 5 & 1 & 0 \\ + & 1 & 7 & 0 & 0 \\ \hline 2 & 2 & 1 & 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \begin{array}{cccc} \text{TH} & \text{H} & \text{T} & \text{O} \\ & 2 & 2 & 1 \\ \times & & 2 & 4 \\ \hline & 8 & 8 & 4 \\ + & 4 & 4 & 2 & 0 \\ \hline 5 & 3 & 0 & 4 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \begin{array}{cccc} \text{TH} & \text{H} & \text{T} & \text{O} \\ & 3 & 1 & 2 \\ \times & & 1 & 5 \\ \hline & 1 & 5 & 6 & 0 \\ + & 3 & 1 & 2 & 0 \\ \hline 4 & 6 & 8 & 0 \end{array}
 \end{array}$$

$$\begin{array}{r}
 \begin{array}{cccc} \text{TH} & \text{H} & \text{T} & \text{O} \\ & 2 & 1 & 5 \\ \times & & 3 & 5 \\ \hline & 1 & 0 & 7 & 5 \\ + & 6 & 4 & 5 & 0 \\ \hline 7 & 5 & 2 & 5 \end{array}
 \end{array}$$

- E. 1. 396 2. 2072 3. 5292 4. 6622
 5. 6560 6. 9834 7. 902 8. 2773
 9. 4355 10. 1568 11. 4768 12. 9660
- F. 1. 1872 straws 2. 8250 shirts
 3. 336 students 4. ₹3675

I am an artist

1. 3675 2. 5535 3. 6154
 4. 8525 5. 3534 6. 7618
 7. 7506 8. 7125 9. 4994

I am a doer: 864 seeds

I am an all-rounder

A. English

- To multiply a number by 100, write two zeros to the right of the number.
- When a number is multiplied by 1, the product remains the same.

B. Science

Accept all the relevant responses.

C. Social Studies

360 cotton towels

Students' Worksheets

Worksheet 1

- A. 1. c 2. b 3. d 4. b 5. a
 B. 1. true 2. false 3. true 4. false 5. true
 C. 1. 1500 2. 702 3. 6108 4. 429; 6 5. 3; 7

Worksheet 2

- A. 1. b 2. b 3. b
 4. a 5. b
 B. 1. true 2. false 3. true
 4. false 5. true
 C. 1. 3736 2. 7590 3. 9922
 4. 20; 9 5. 12; 6

Worksheet 3

- A. 1. c 2. a 3. a 4. b 5. b
 B. 1. false 2. false 3. false 4. true 5. true
 C. 1. 2520 2. 8040 3. 8008 4. 171; 5 5. 13; 41

Worksheet 4

- A. 1. d 2. a 3. b 4. c 5. a
 B. 1. false 2. true 3. true
 4. false 5. true
 C. 1. 6300 2. 9510
 3. 8822 4. 393; 10
 5. Accept all relevant responses

Worksheet 5

- A. 1. 622 2. 642 3. 1260
 4. 3138 5. 2452
 B. 1. 3993 2. 4248 3. 0
 4. 9324 5. 8970
 C. 1. Multiplying 84 by 10 gives 840.
 2. When we multiply a number by 1, the answer is the same number.
 3. $743 \times 1 = 743$
 4. 100×6 is equal to 600.
 5. $(50 + 2) \times 3 = (50 \times 3) + (2 \times 3)$

Teacher's Worksheets

Worksheet 1

- A. 1. d 2. c 3. d 4. b
 B. 1. 600 2. 0 3. 10 4. 6
 5. 16100 6. 2376
 C. 1. 1323 2. 6408 3. 6862 4. 7668
 D. 1. 546 tubes 2. 3980 lines

Worksheet 2

- A. 1. true 2. true 3. true 4. true 5. true
 B. 1. 333 2. 3756 3. 535
 4. 3432 5. 1380 6. 889
 C. 1. 3735 2. 7203 3. 6794 4. 2392
 D. 1. 420 months 2. 9072 pages