

## Learning Outcomes

The students will:

Domain	Learning Outcome
<b>Physical Development</b>	• demonstrate division using body movements or objects to form equal groups.
<b>Socio-Emotional and Ethical Development</b>	• cooperate with peers during group tasks and take responsibility for fair sharing activities.
<b>Cognitive Development</b>	• solve division problems accurately using strategies like equal grouping, repeated subtraction and number lines.
<b>Language and Literacy Development</b>	• correctly use the terms such as dividend, divisor, quotient and remainder in oral and written communication.
<b>Aesthetic and Cultural Development</b>	• create and interpret visual representations of division using familiar and easily available materials.
<b>Positive Learning Habits</b>	• express confidence while attempting division problems and complete reflection tasks like KWL charts independently.

### Starry Knights

As a teacher, where do you see yourself five years from now? Write your plans here.

Award yourself a STAR, for being a dynamic teacher.



## Answers

### Theme 6: We Explore Chapter-9: Division

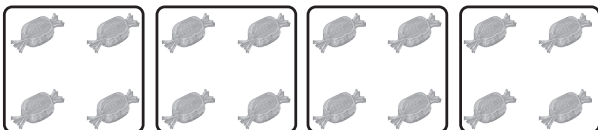
#### Main Coursebook

#### Auditory

1. 3

2. 0

#### Pictorial



1. 5; 5

2.

distributed among	shared with
<b>Total</b> number of laddoos = 30	<b>Total</b> number of laddoos = 30
<b>Number</b> of children = 5	<b>Number</b> of children = 6
<b>Number</b> of laddoos each child gets $= 30 \div 5 = 6$	<b>Number</b> of laddoos each child gets $= 30 \div 6 = 5$

3. a. 5

b. 6

4. a. 1; 8; 2; 8; 3;  $24 \div 8 = 3$

b. 1; 9; 2; 9; 3;  $27 \div 9 = 3$

5. a.  $63 \div 9 = 7$ ;  $63 \div 7 = 9$   
 b.  $81 \div 9 = 9$

6.

	dividend	divisor	quotient
b.	16	4	4
c.	21	7	3
d.	35	5	7

7. a. 9, 2, 6      b. 4, 8, 8      c. 42, 45, 63  
 8. b. 9; 18; Q = 9,      c. 6; 30; Q = 6  
 9. b. 6; 24; 3; Q = 6, R = 3  
 c. 3; 15; 2; Q = 3, R = 2  
 10. a. Q = 13, R = 0      b. Q = 11, R = 0  
 c. Q = 24, R = 1  
 11. a. Q = 14, R = 0      b. Q = 28, R = 1  
 c. Q = 12, R = 0  
 12. a. 6      b. 9      c. 21  
 A. 1. 4      2. 4  
 B. 1. Number of roses = 36  
 Number of bushes = 6  
 Number of roses on each bush =  $36 \div 6 = 6$   
 36 divided by 6 is 6  
 2. Number of cherries = 28  
 Number of people = 7  
 Number of cherries each one gets =  $28 \div 7 = 4$   
 28 divided by 7 is 4  
 C. 1. 5      2. 2      3. 7  
 D. 1. 2      2. 2      3. 2      4. 4  
 5. 3      6. 2      7. 3      8. 3

E.

	dividend	divisor	quotient	remainder
1.	8	2	4	0
2.	18	3	6	0
3.	35	6	5	5

F. quotient:

1. 4      2. 4      3. 4      4. 9

divisor:

1. 7      2. 3      3. 7      4. 9

dividend:

1. 30      2. 6      3. 12      4. 40

- G. 1. 7; 14; 0; Q = 7      2. 5; 20; 0; Q = 5  
 3. 8; 16; 0; Q = 8      4. 9; 27; 0; Q = 9  
 H. 1. Q = 5, R = 1      2. Q = 15, R = 0  
 3. Q = 12, R = 3      4. Q = 11, R = 2  
 5. Q = 11, R = 3      6. Q = 13, R = 0  
 7. Q = 8, R = 1      8. Q = 13, R = 1  
 9. Q = 24, R = 0      10. Q = 16, R = 2  
 11. Q = 12, R = 3      12. Q = 15, R = 0  
 I. 1. 6      2. 21      3. 8

### Thinking better

12 weeks and 2 days

### Choosing better

- Look for a safe place and wait for her teacher to find her.



## Worksheets

### Worksheet 1

- A. 1. two      2. quotient      3. subtraction  
 4. equal      5.  $\div$   
 B. 1. 6      2. 4      3. 7  
 4. 6      5. 6      6. 7  
 C. 1. 15      2. 42      3. 36  
 4. 72      5. 36      6. 54

### Worksheet 2

- A. 1. d      2. a      3. b      4. e      5. c  
 B. 1. 4      2. 5      3. 5      4. 7      5. 6  
 C. 1. 8      2. 4      3. 7  
 4. 9      5. 10      6. 8

### Worksheet 3

- A. 1. multiplication      2. remainder  
 3. 0      4. divisor      5. dividend  
 B. 1. 5      2. 8      3. 6  
 4. 3      5. 6      6. 8  
 C. 1. 8      2. 3      3. 5  
 4. 3      5. 3

## Book of Holistic Teaching

- A. air; pairs; fair  
 B. land transport

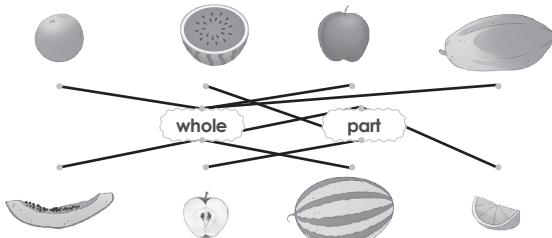
# Answers

## Theme 6: We Explore Chapter-10: Fractions

### Main Coursebook

Auditory:  $\frac{1}{2}$

Pictorial



1. a. b.   
 2. a. b.   
 3. a. b.   
 4. a. b.   
 5. a.  $\frac{1}{2}$  b.  $\frac{3}{4}$   
 6. b.  $3; \frac{1}{3}$  c.  $2; \frac{1}{2}$

- A. 1. 2. 3.   
 B. 1. 2. 3.   
 C. 1. 2. 3.   
 D. 1. 2. 3.   
 E. 1.  $\frac{1}{3}$  2.  $\frac{1}{4}$  3.  $\frac{3}{4}$

- F. 1.  $3; \frac{1}{3}$  2.  $2; \frac{1}{2}$  3.  $4; \frac{1}{4}$

Think and answer: 3

Choosing better:

- Ask his parents to take him there.



### Worksheets

#### Worksheet 1

- A. 1. three fourths 2. quarter  
 3. whole 4. equal  
 5. fractions  
 B. 1.  $\frac{1}{2}$  2.  $\frac{3}{4}$  3.  $\frac{1}{3}$   
 4.  $\frac{1}{2}$  5.  $\frac{1}{4}$   
 C. 1. e 2. d 3. a 4. b 5. c

#### Worksheet 2

- A. 1. b 2. c 3. a 4. c 5. b  
 B. 1. 1 2.  $\frac{3}{4}$  3.  $\frac{1}{2}$  4.  $\frac{1}{3}$  5.  $\frac{1}{4}$   
 C. 1.  $\frac{1}{3}$  2.  $\frac{1}{2}$  3.  $\frac{1}{2}$  4.  $\frac{1}{4}$  5.  $\frac{3}{4}$   
 6.  $\frac{2}{4}$

#### Worksheet 3

- A.   
 B. 1. half 2. three fourths  
 3. one third 4. whole  
 5. one fourth 6. two third  
 C. 1. 2. 3.   
 4. 5. 6.

### Book of Holistic Teaching

- A. 1. older 2. smaller  
 B. 1. b. 2. c. 3. a.