

## 7. MORE DIVISION

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#### TEACHING TASK

#### CONCEPTUAL UNDERSTANDING QUESTIONS (CUQ's)

##### Multiple Choice Questions

1. Answer: C) 42 R4

Explanation: Dividing 250 by 6 gives a quotient of 42 and a remainder of 4. Thus, the correct answer is 42 R4.

2. Answer: B) 8

Explanation: Dividing 88 by 11 gives a quotient of 8 with no remainder. So, the answer is 8.

3. Answer: B) 13

Explanation: Dividing 63 by 5 gives a quotient of 12 with a remainder of 3. The question asks for the quotient, so the answer is 13.

4. Answer: B) 2

Explanation: Dividing 92 by 7 gives a quotient of 13 with a remainder of 1. So, the answer is 2.

5. Answer: A) 1

Explanation: Dividing 56 by 6 gives a quotient of 9 with a remainder of 2.

6. Answer: B) 12

Explanation: Dividing 132 by 11 gives a quotient of 12 with no remainder.

#### ADVANCED LEVEL

##### More than One Answer Type

7. Answer: A, C

Explanation: A)  $55 \div 8$ : This division has a remainder ( $55 \div 8 = 6 \text{ R}7$ ).

C)  $89 \div 7$ : This division also has a remainder ( $89 \div 7 = 12 \text{ R}5$ ).

8. Answer: A, D

Explanation: A)  $19 \div 5$ : This gives a quotient of 3 with a remainder of 4.

D)  $22 \div 6$ : This gives a quotient of 3 with a remainder of 4.

##### Fill In the Blanks

9. Answer: divisor

Explanation: In long division, the number that divides the dividend is called the

divisor.

10. Answer: quotient

Explanation: To check your division, you multiply the quotient by the divisor and add the remainder.

### **Matching Type**

11. Match the long division problems on the left with their correct answers (including remainders) on the right.

1.  $125 \div 8$  ----- B. 25 R6

2.  $93 \div 7$  ----- A. 18 R4

3.  $156 \div 10$  ----- C. 15 R6

4.  $241 \div 5$  ----- D. 48 R1

### **Answer the Following Questions**

12. Answers:

a.  $64 \div 4 = 16$  (no remainder)

b.  $75 \div 5 = 15$  (no remainder)

c.  $76 \div 4 = 19$  (no remainder)

d.  $98 \div 4 = 24$  R2

13. Answers:

a.  $95 \div 4 = 23$  R3

b.  $86 \div 3 = 28$  R2

c.  $73 \div 5 = 14$  R3

d.  $54 \div 4 = 13$  R2

## **LEARNERS TASK**

### **CONCEPTUAL UNDERSTANDING QUESTIONS (CUQ's)**

#### **Multiple Choice Questions**

1. Answer: B) 7

Explanation: Dividing 56 by 8 gives a quotient of 7 with no remainder. Thus, the result is 7.

2. Answer: C) 12

Explanation: Dividing 144 by 12 gives a quotient of 12 with no remainder. The correct answer is 12.

3. Answer: C) 3

Explanation: Dividing 85 by 7 gives a quotient of 12 with a remainder of 3. So, the remainder is 3.

4. Answer: B) 49

Explanation: Dividing 392 by 8 using long division gives a quotient of 49 with no

remainder. The result is 49.

5. Answer: B) 15

Explanation: Dividing 225 by 15 gives a quotient of 15 with no remainder. The result is 15.

6. Answer: A) 7

Explanation: Dividing 178 by 9 gives a quotient of 19 with a remainder of 7. Thus, the remainder is 7.

### **ADVANCED LEVEL**

#### **More than One Answer Type**

7. Answer: A, B, C, D

Explanation: A)  $84 \div 7 = 12$ : This is correct.

B)  $56 \div 4 = 14$ : This is correct.

C)  $100 \div 9 = 11 \text{ R}1$ : This is correct.

D)  $144 \div 12 = 12$ : This is correct.

8. Answer: A, C, D

Explanation: A) Quotient: 12, Remainder: 3: This is correct when dividing 123 by 10 ( $123 \div 10 = 12 \text{ R}3$ ).

C) Remainder: 3: This is correct.

D) Quotient: 12: This is correct for the quotient part.

#### **Fill In the Blanks**

9. Answer: divide

Explanation: Division is a mathematical operation used to divide a number into equal parts.

10. Answer: dividend

Explanation: In long division, the dividend is the number to be divided.

#### **Matching Type**

11. Match the division problems on the left with their correct answers on the right.

1.  $36 \div 6$  ----- D. 6

2.  $144 \div 12$  ----- B. 12

3.  $55 \div 5$  ----- C. 11

4.  $81 \div 9$  ----- A. 9

#### **Answer the Following Questions**

12. Answers:

a.  $32 \div 2 = 16$  (no remainder)

b.  $66 \div 3 = 22$  (no remainder)

c.  $42 \div 2 = 21$  (no remainder)

d.  $78 \div 4 = 19.5$

13. Answers:

- a.  $77 \div 4 = 19 \text{ R}1$
- b.  $61 \div 2 = 30 \text{ R}1$
- c.  $58 \div 4 = 14 \text{ R}2$
- d.  $96 \div 4 = 24$  (no remainder)

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## DIVISION OF 3 - DIGIT NUMBERS

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### TEACHING TASK

#### CONCEPTUAL UNDERSTANDING QUESTIONS (CUQ's)

##### Multiple Choice Questions

1. Answer: A) 6

Explanation: When 762 is divided by 9, the remainder is 6. ( $762 \div 9 = 84 \text{ R}6$ )

2. Answer: B) 69 R8

Explanation: Dividing 835 by 12, the quotient is 69, and the remainder is 8. ( $835 \div 12 = 69 \text{ R}8$ )

3. Answer: D) 64

Explanation: Dividing 1,024 by 16 gives a quotient of 64. ( $1,024 \div 16 = 64$ )

4. Answer: B) 81

Explanation: Dividing 1,215 by 15 gives a quotient of 81. ( $1,215 \div 15 = 81$ )

5. Answer: B) 132

Explanation: Dividing 924 by 7 gives a quotient of 132. ( $924 \div 7 = 132$ )

6. Answer: A) 88 boxes, 0 widgets left

Explanation: Dividing 1,056 by 12 gives 88 boxes, with no widgets left over. ( $1,056 \div 12 = 88$ , remainder 0)

### ADVANCED LEVEL

##### More than One Answer Type

7. Answer: A) Quotient: 29, B) Remainder: 1

Explanation: Dividing 378 by 13, the quotient is 29 and the remainder is 1. ( $378 \div 13 = 29 \text{ R}1$ )

8. Answer: A) Quotient: 108, B) Remainder: 0

Explanation: Dividing 864 by 8 gives a quotient of 108 with no remainder. ( $864 \div 8 = 108$ , remainder 0)

##### Fill In the Blanks

9. Answer: 6

Explanation: In the long division of 256, after subtracting the product of the first two

digits ( $8 \times 3 = 24$ ) from 25, the remainder is 6 before bringing down the next digit.

10. Answer: 3

Explanation: In the division of 256 by 8, when 25 is divided by 8, the quotient is 3.  
( $25 \div 8 = 3 \text{ R}1$ )

### **Matching Type**

11. Match the long division problems on the left with their correct answers (including remainders) on the right.

1.  $874 \div 7$  ---- A. 67 R5

2.  $936 \div 11$  ----- B. 85 R1

3.  $748 \div 9$  ----- C. 124 R6

4.  $583 \div 6$  ----- D. 84 R4

### **Answer the Following Questions**

12. Answer: Boxes required:  $43 \div 6 = 7$  boxes.

Chalks left behind:  $43 - (7 \times 6) = 1$  chalk left.

13. Answer: Chairs per row:  $56 \div 6 = 9$  chairs per row.

Chairs left behind:  $56 - (9 \times 6) = 2$  chairs left behind.

## **LEARNERS TASK**

### **CONCEPTUAL UNDERSTANDING QUESTIONS (CUQ's)**

#### **Multiple Choice Questions**

1. Answer: B) 81

Explanation: Dividing 729 by 9 gives a quotient of 81. ( $729 \div 9 = 81$ )

2. Answer: C) 292

Explanation: Dividing 876 by 3 gives a quotient of 292. ( $876 \div 3 = 292$ )

3. Answer: A) 0

Explanation: Dividing 945 by 7 gives no remainder. ( $945 \div 7 = 135$  with remainder 0)

4. Answer: B) 114

Explanation: Dividing 684 by 6 gives a quotient of 114. ( $684 \div 6 = 114$ )

5. Answer: B) 189

Explanation: Dividing 945 by 5 gives a quotient of 189. ( $945 \div 5 = 189$ )

6. Answer: D) 4

Explanation: Dividing 847 by 5 gives a remainder of 2. ( $847 \div 5 = 169 \text{ R}2$ )

## **ADVANCED LEVEL**

**More than One Answer Type**

7. Answer: A) Quotient: 39, B) Remainder: 0

Explanation: Dividing 234 by 6 gives a quotient of 39 with no remainder. ( $234 \div 6 = 39$ , remainder 0)

8. Answer: A) Quotient: 64, B) Remainder: 0

Explanation: Dividing 768 by 12 gives a quotient of 64 with no remainder. ( $768 \div 12 = 64$ , remainder 0)

**Fill In the Blanks**

9. Answer: 462

Explanation: In the division problem  $462 \div 3$ , the dividend is 462.

10. Answer: 19

Explanation: When dividing 583 by 4, the quotient after dividing the first two digits, 58, is 19. ( $583 \div 4 = 19$ )

**Matching Type**

11. Match the division problems on the left with their correct answers on the right.

1.  $729 \div 9$  ----- B. 81

2.  $645 \div 5$  ----- D. 64

3.  $384 \div 6$  ----- A. 120

4.  $952 \div 8$  ----- C. 119

**Answer the Following Questions**

12. Answer: Groups formed:  $18 \div 3 = 6$  groups.

13. Answer: Candies per child:  $32 \div 8 = 4$  candies per child.