

MORE DIVISION**TEACHING TASK****CONCEPTUAL UNDERSTANDING QUESTIONS (CUQ's)****Multiple Choice Questions**

1. What is the quotient and remainder when 250 is divided by 6?
A) 41 R4 B) 41 R5 C) 42 R4 D) 42 R5

Key: B

Explanation: $250 \div 6 = 41$ remainder 4, because $6 \times 41 = 246$, and $250 - 246 = 4$.

2. What is the result of $88 \div 11$?
A) 7 B) 8 C) 9 D) 10

Key: B

Explanation: $88 \div 11 = 8$ exactly.

3. Divide 63 by 5. What is the quotient?
A) 12 B) 13 C) 14 D) 15

Key: B

Explanation: $63 \div 5 = 12$ remainder 3; quotient is 12.

4. What is the remainder when 92 is divided by 7?
A) 1 B) 2 C) 3 D) 4

Key: C

Explanation: $7 \times 13 = 91$, $92 - 91 = 1$. So remainder = 1.

5. If you divide 56 by 6 using long division, what is the remainder?
A) 1 B) 2 C) 3 D) 4

Key: B

Explanation: $6 \times 9 = 54$, remainder = $56 - 54 = 2$.

6. What is the result of $132 \div 11$?
A) 11 B) 12 C) 13 D) 14

Key: C

Explanation: $11 \times 12 = 132$ exactly, so quotient = 12.

ADVANCED LEVEL**More than One Answer Type**

7. Which of the following divisions have remainders? (Select all that apply)
A) $55 \div 8$ B) $120 \div 12$ C) $89 \div 7$ D) $100 \div 25$

Key: A, C

Explanation:

$55 \div 8 = 6 \text{ R}7 \rightarrow$ remainder exists.

$120 \div 12 = 10 \rightarrow$ no remainder.

$89 \div 7 = 12 \text{ R}5 \rightarrow$ remainder exists.

$100 \div 25 = 4 \rightarrow$ no remainder.

8. Which of the following divisions result in a quotient with a remainder of 4? (Select all that apply)

A) $19 \div 5$

B) $14 \div 3$

C) $24 \div 6$

D) $22 \div 6$

Key: A, D

Explanation:

$19 \div 5 = 3 \text{ R}4 \rightarrow$ remainder 4

$14 \div 3 = 4 \text{ R}2 \rightarrow$ remainder 2

$24 \div 6 = 4 \rightarrow$ remainder 0

$22 \div 6 = 3 \text{ R}4 \rightarrow$ remainder 4

Fill In the Blanks

9. The number that divides the dividend in long division is called the _____.

Key: Divisor

Explanation: In $56 \div 8$, 8 is the divisor.

10. To check your division, you should multiply the _____ by the divisor and add the remainder.

Key: Quotient

Explanation: $\text{Dividend} = (\text{Quotient} \times \text{Divisor}) + \text{Remainder}$.

Matching Type

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

Questions:

1. $125 \div 8$

2. $93 \div 7$

3. $156 \div 10$

4. $241 \div 5$

Answers:

A. 18 R4

B. 25 R6

C. 15 R6

D. 48 R1

Key: 1.A, 2.C, 3.B, 4.D

Answer the Following Questions

12. Divide the following

A) $64 \div 4$

B) $75 \div 5$

C) $76 \div 4$

D) $98 \div 4$

Key: A)16, B)15, C)19, D)24 R2

Explanation: Division performed step by step; remainder added if any.

13. Divide the following. Write the quotient and the remainder.

A) $95 \div 4$

B) $86 \div 3$

C) $73 \div 5$

D) $54 \div 4$

Key: A) 23 R3, B) 28 R2, C) 14 R3, D)13 R2

Explanation: Standard long division.

LEARNERS TASK**CONCEPTUAL UNDERSTANDING QUESTIONS (CUQ's)****Multiple Choice Questions**

1. What is the result of $56 \div 8$?

- A) 6 B) 7 C) 8 D) 9

Key: B

Explanation: $56 \div 8 = 7$ exactly.

2. Divide 144 by 12. What is the quotient?

- A) 10 B) 11 C) 12 D) 13

Key: C

Explanation: $12 \times 12 = 144$, so quotient = 12.

3. What is the remainder when 85 is divided by 7?

- A) 1 B) 2 C) 3 D) 4

Key: A

Explanation: $7 \times 12 = 84$, remainder = $85 - 84 = 1$.

4. Using long division, what is $392 \div 8$?

- A) 48 B) 49 C) 50 D) 51

Key: B

Explanation: $8 \times 49 = 392$ exactly.

5. What is $225 \div 15$?

- A) 14 B) 15 C) 16 D) 17

Key: B

Explanation: $15 \times 15 = 225$ exactly.

6. Divide 178 by 9. What is the remainder?

- A) 7 B) 8 C) 9 D) 10

Key: A

Explanation: $9 \times 19 = 171$, remainder = $178 - 171 = 7$.

ADVANCED LEVEL**More than One Answer Type**

7. Which of the following divisions are correct? (Select all that apply)

- A) $84 \div 7 = 12$ B) $56 \div 4 = 14$
C) $100 \div 9 = 11 \text{ R}1$ D) $144 \div 12 = 12$

Key: A, B, C, D

Explanation: All calculations verified using long division:

$$84 \div 7 = 12$$

$$56 \div 4 = 14$$

$$100 \div 9 = 11 \text{ R}1$$

$$144 \div 12 = 12$$

8. Which of the following correctly describe the result of dividing 123 by 10? (Select all that apply)

A) Quotient: 12, Remainder: 3

B) Quotient: 12.3

C) Remainder: 3

D) Quotient: 12

Key: A, C, D

Explanation: $123 \div 10 = 12$ remainder 3. Decimal 12.3 represents same value but remainder form is as in A and C.

Fill In the Blanks

9. Division is a mathematical operation used to _____ a number into equal parts.

Key: divide/split

Explanation: Division separates a number into equal parts.

10. In long division, the _____ is the number to be divided.

Key: Dividend

Explanation: Dividend is divided by divisor.

Matching Type

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

Questions:

1. $36 \div 6$

2. $144 \div 12$

3. $55 \div 5$

4. $81 \div 9$

Answers:

A. 9

B. 12

C. 11

D. 6

Key: 1.A, 2.B, 3.C, 4.D

Answer the Following Questions

12. Divide the following

A) $32 \div 2$

B) $66 \div 3$

C) $42 \div 2$

D) $78 \div 4$

Key: A)16, B)22, C)21, D)19 R2

Explanation: Standard long division performed

13. Divide the following. Write the quotient and the remainder.

A) $77 \div 4$

B) $61 \div 2$

C) $58 \div 4$

D) $96 \div 4$

Key: A)19 R1, B)30 R1, C)14 R2, D)24

Explanation: Standard long division performed.

TEACHING TASK

CONCEPTUAL UNDERSTANDING QUESTIONS (CUQ's)

Multiple Choice Questions

1. What is the remainder when 762 is divided by 9?

- A) 6 B) 7 C) 8 D) 9

Key: A

Explanation: $9 \times 84 = 756$, $762 - 756 = 6 \rightarrow$ remainder = 6.

2. What is the quotient and remainder when 835 is divided by 12?

- A) 69 R7 B) 69 R8 C) 70 R7 D) 70 R8

Key: A

Explanation: $12 \times 69 = 828$, $835 - 828 = 7 \rightarrow$ quotient = 69, remainder = 7.

3. Divide 1,024 by 16. What is the quotient?

- A) 61 B) 62 C) 63 D) 64

Key: D

Explanation: $16 \times 64 = 1024 \rightarrow$ quotient = 64.

4. What is $1,215 \div 15$?

- A) 80 B) 81 C) 82 D) 83

Key: B

Explanation: $15 \times 81 = 1215 \rightarrow$ quotient = 81.

5. Using long division, what is $924 \div 7$?

- A) 131 B) 132 C) 133 D) 134

Key: B

Explanation: $7 \times 132 = 924 \rightarrow$ quotient = 132.

6. A factory produced 1,056 widgets and wants to pack them into boxes with 12 widgets each. How many boxes can be filled, and will there be any widgets left over?

- A) 88 boxes, 0 widgets left B) 88 boxes, 1 widget left
C) 87 boxes, 0 widgets left D) 87 boxes, 1 widget left

Key: A

Explanation: $1056 \div 12 = 88$ exactly \rightarrow 0 widgets left.

ADVANCED LEVEL

More than One Answer Type

7. Which of the following correctly describe the result of dividing 378 by 13? (Select all that apply)

- A) Quotient: 29 B) Remainder: 1
C) Quotient: 28 D) Remainder: 14

Key: A, B

Explanation: $13 \times 29 = 377 \rightarrow$ remainder = $378 - 377 = 1$.

8. Which of the following are correct results for dividing 864 by 8? (Select all that apply)

- A) Quotient: 108 B) Remainder: 0
C) Quotient: 107, Remainder: 1 D) Quotient: 109

Key: A, B

Explanation: $8 \times 108 = 864 \rightarrow$ remainder = 0.

Fill In the Blanks

9. After subtracting the product from the first two digits of 256, the remainder is _____ before bringing down the next digit.

Key: 1

Explanation: $25 \div 8 ? 8 \times 3 = 24 ?$ remainder = $25 - 24 = 1$.

10. In the division of 256 by 8, when 25 is divided by 8, the quotient is _____.

Key: 3

Explanation: $8 \times 3 = 24 \rightarrow$ quotient = 3, remainder = 1.

Matching Type

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

Questions:

1. $874 \div 7$

2. $936 \div 11$

3. $748 \div 9$

4. $583 \div 6$

Answers:

A. 67 R5

B. 85 R1

C. 124 R6

D. 84 R4

Key: 1.C, 2.B, 3.A, 4.D

Answer the Following Questions

12. 43 chalks are to be kept in boxes, 6 in each box. How many boxes are required? How many chalks will be left behind?

Answer: 7 boxes, 1 chalk left

Explanation: $43 \div 6 = 7$ remainder 1 \rightarrow 7 boxes, 1 chalk remains.

13. 56 chairs are to be arranged in 6 rows, with an equal number of chairs will be there in each row? How many chairs will be left behind?

Key: 9 chairs in each row, 2 chairs left

Explanation: $56 \div 6 = 9$ remainder 2 \rightarrow 9 chairs per row, 2 left.

LEARNERS TASK

CONCEPTUAL UNDERSTANDING QUESTIONS (CUQ's)

Multiple Choice Questions

1. What is the quotient when 729 is divided by 9?

A) 80

B) 81

C) 82

D) 83

Key: B

Explanation: $9 \times 81 = 729$ exactly ($9 \times 80 = 720$, $9 \times 1 = 9 \rightarrow 720 + 9 = 729$).
Quotient is 81.

2. Divide 876 by 3. What is the quotient?

A) 292

B) 293

C) 294

D) 295

Key: A**Explanation:** $3 \times 292 = 876$ exactly ($3 \times 200 = 600$, $3 \times 90 = 270$, $3 \times 2 = 6 \rightarrow 600 + 270 + 6 = 876$). Quotient is 292.

3. What is the remainder when 945 is divided by 7?

A) 0

B) 1

C) 2

D) 3

Key: A**Explanation:** $7 \times 135 = 945$ exactly ($7 \times 100 = 700$, $7 \times 30 = 210$, $7 \times 5 = 35 \rightarrow 700 + 210 + 35 = 945$). Remainder is 0.4. Using long division, what is $684 \div 6$?

A) 113

B) 114

C) 115

D) 116

Key: B**Explanation:** $6 \times 114 = 684$ exactly ($6 \times 100 = 600$, $6 \times 10 = 60$, $6 \times 4 = 24 \rightarrow 600 + 60 + 24 = 684$). Answer is 114.5. What is $945 \div 5$?

A) 188

B) 189

C) 190

D) 191

Key: B**Explanation:** $5 \times 189 = 945$ exactly ($5 \times 180 = 900$, $5 \times 9 = 45 \rightarrow 900 + 45 = 945$). Quotient is 189.

6. What is the remainder when 847 is divided by 5?

A) 1

B) 2

C) 3

D) 4

Key: B**Explanation:** Any number ending with 7 leaves remainder 2 when divided by 5 (845 is divisible by 5, $847 - 845 = 2$). Remainder is 2.

ADVANCED LEVEL

More than One Answer Type

7. Which of the following are correct results for dividing 234 by 6? (Select all that apply)

A) Quotient: 39

B) Remainder: 0

C) Quotient: 38, Remainder: 6

D) Quotient: 40, Remainder: 4

Key: A and B**Explanation:** $6 \times 39 = 234$ exactly. Quotient 39, remainder 0.

8. Select the correct results for dividing 768 by 12: (Select all that apply)

A) Quotient: 64

B) Remainder: 0

C) Quotient: 63, Remainder: 9

D) Quotient: 65, Remainder: 3

Key: A and B**Explanation:** $12 \times 64 = 768$ exactly ($12 \times 60 = 720$, $12 \times 4 = 48 \rightarrow 720 + 48 = 768$). Remainder 0.

Fill In the Blanks

9. In the division problem $462 \div 3$, the dividend is _____.

Key: 462

Explanation: The dividend is the number that is being divided (the larger number on top).

10. When dividing 583 by 4, the quotient after dividing the first two digits, 58, is _____.

Key: 14

Explanation: 4 goes into 58 fourteen times because $4 \times 14 = 56$ ($56 = 58$, $4 \times 15 = 60 > 58$). So first quotient digit is 14.

Matching Type

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

Questions:

1. $729 \div 9$

2. $645 \div 5$

3. $384 \div 6$

4. $952 \div 8$

Answers:

A. 120

B. 81

C. 119

D. 64

Key: 1.B, 2.A, 3.D, 4.C

Answer the Following Questions

12. 18 students are to be divided into groups of 3. How many groups will be formed?

Key: 6 groups

Explanation: $18 \div 3 = 6$ exactly. So 6 groups will be formed.

13. 32 candies are to be distributed among 8 children. How many candies will each child get?

Key: 4 candies

Explanation: $32 \div 8 = 4$ exactly. Each child gets 4 candies.