



Long Division of Two Digit Numbers

FREE Worksheet - 5

Time: 20 minutes

(Detailed solutions at the end)

1. Mr. Yeung paid \$180 for 9 entrance tickets to a water park. What was the cost of each entrance ticket?

- a. \$ 11
- b. \$ 15
- c. \$ 14
- d. \$ 20

2. Divide.

$$66 \div 6 = \underline{\quad}$$

- a. 12
- b. 13
- c. 10
- d. 11

3. Fill in the blank with odd or even.

74 is an number.

Answer:



4. Find the quotient.

$$520 \div 7 = \underline{\quad} \text{ R } 2$$

Answer:

5. When a number is divided by 4, the remainder is 2 and the quotient is 44. What is the number?

Answer:

6. A farmer packed 6 similar boxes with 420 carrots altogether. How many carrots were there in each box?

Answer: carrots

7. Mrs. Mohamed bought 8 identical tables and paid a total of \$640. Find the cost of each table.

- a. 75
- b. 80
- c. 81
- d. 90



8. A bag contains 76 red and blue marbles. There are 3 times as many red marbles as blue marbles. How many blue marbles are there in the bag?

Answer: _____ blue marbles

9. The sum of 120 and 173 is divided by 6. Find the remainder.

Answer: _____

10. Divide and find the quotient.

$$150 \div 9$$

- a. 14
- b. 15
- c. 17
- d. 16



SOLUTIONS

Problem 1

entrance tickets

9 units \longrightarrow 180
1 unit \longrightarrow $180 \div 9$

$$\begin{array}{r} 20 \\ 9 \overline{) 180} \\ \underline{-18} \\ 00 \\ \underline{-00} \\ 0 \end{array}$$

$$180 \div 9 = 20$$

The cost of each entrance ticket was \$20.



Problem 2

$$\begin{array}{r} 11 \\ \hline 6 \overline{) 66} \\ \underline{- 60} \\ 06 \\ \underline{- 06} \\ 0 \end{array}$$

So, $66 \div 6 = 11$

Problem 3

Even numbers are numbers in which the ones digit is 2, 4, 6, 8 or 0.

74 is an even number.



Problem 4

$$\begin{array}{r} 74 \\ 7 \overline{) 520} \\ \underline{-49} \\ 30 \\ \underline{-28} \\ 2 \end{array}$$

$$520 \div 7 = 74 \text{ R } 2$$

The quotient is 74.

Problem 5

Given,

$$? \div 4 = 44 \text{ R } 2$$

Therefore,

$$\begin{aligned} ? &= (44 \times 4) + 2 \\ &= 176 + 2 \\ &= 178 \end{aligned}$$

The number is: 178



Problem 6

carrots

420

6 units \longrightarrow 420
1 unit \longrightarrow $420 \div 6$

$$\begin{array}{r} 70 \\ 6 \overline{) 420} \\ \underline{-42} \\ 00 \\ \underline{-00} \\ 0 \end{array}$$

$$420 \div 6 = 70$$

There were 70 carrots in each box.



Problem 7

tables $\overbrace{\hspace{10em}}^{\$640}$

$\underbrace{\hspace{2em}}_?$

8 units \longrightarrow 640
1 unit \longrightarrow $640 \div 8$

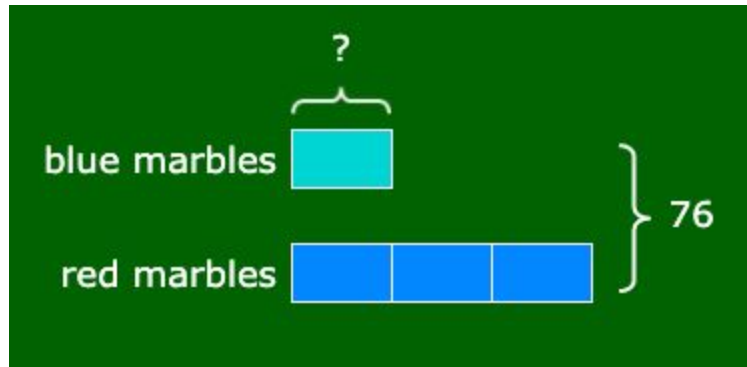
$$\begin{array}{r} 80 \\ 8 \overline{) 640} \\ \underline{-64} \\ 00 \\ \underline{-00} \\ 0 \end{array}$$

$$640 \div 8 = 80$$

The cost of each table is \$80.



Problem 8



$$\begin{array}{l} 4 \text{ units} \longrightarrow 76 \\ 1 \text{ unit} \longrightarrow 76 \div 4 \\ \begin{array}{r} 19 \\ 4 \overline{) 76} \\ \underline{-4} \\ 36 \\ \underline{-36} \\ 0 \end{array} \end{array}$$

There are 19 blue marbles in the bag.



Problem 9

$$120 + 173 = 293$$

$$\begin{array}{r} 48 \\ 6 \overline{) 293} \\ \underline{-24} \\ 53 \\ \underline{-48} \\ 5 \end{array}$$

$$120 \div 173 = 48 \text{ R } 5$$

The remainder is 5.



Problem 10

$$\begin{array}{r} 16 \\ 9 \overline{) 150} \\ \underline{- 09} \\ 60 \\ \underline{- 54} \\ 6 \end{array}$$

$$150 \div 9 = 16 \text{ R } 6$$

The quotient is 16.