

5.NBT.B.6 Dividing by 2-Digit Numbers

5.NBT.B.6 Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors

1. Find the value of b .

- | | |
|----------------------------------|-------------------------------------|
| a. $756 \div 32 = 23 \text{ r}b$ | d. $b \div 11 = 44 \text{ r}9$ |
| b. $b \div 25 = 38 \text{ r}18$ | e. $1,579 \div 57 = b \text{ r}40$ |
| c. $692 \div 19 = b \text{ r}8$ | f. $8,126 \div b = 112 \text{ r}62$ |

Solution:

- | | |
|----|----|
| a. | d. |
| b. | e. |
| c. | f. |

2. Rico is planning to plant 1,350 cashew trees on his farm that is 12 miles long. Trees have to be planted at equal distance from each other. How many cashew trees will be planted on the length of each mile of the farm? How many cashew trees will be left over?

Solution:

3. Dexter, a cross country car racer, needs to run a distance of 3,088 miles. He plans to run 95 miles per day. How many days will it take him to cover the whole distance? How many miles will he need to run his car on the last day?

Solution:

4. At a laundry shop, 1250 packages of laundry are done in an hour. If each worker can laundry 25 packages each hour, how many workers work in a laundry shop?

Solution:

5. A water refilling station serves each customer, 23 gallons of water each hour. The station produces 42,481 gallons per hour. How many customers are being served each hour?

Solution:

6. An online movie store reported that 48,912 movies were downloaded in the last 24 hours. How many movies are downloaded each hour?

Solution:

7. A local basketball league spent \$4,576 to buy kits for coaches. Each kit cost \$44. How many kits were bought?

- A. 101
B. 102
C. 103
D. 104

Solution:

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Answer Key

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Solution:

- | | |
|--------|--------|
| a. 20 | d. 493 |
| b. 968 | e. 27 |
| c. 36 | f. 72 |

2. Rico is planning to plant 1,350 cashew trees on his farm that is 12 miles long. Trees have to be planted at equal distance from each other. How many cashew trees will be planted on the length of each mile of the farm? How many cashew trees will be left over?

Solution:

112 cashew trees; 6 cashew trees will be left over

3. Dexter, a cross country car racer, needs to run a distance of 3,088 miles. He plans to run 95 miles per day. How many days will it take him to cover the whole distance? How many miles will he need to run his car on the last day?

Solution:

33 days; He will run 48 miles on the last day.

4. At a laundry shop, 1250 packages of laundry are done in an hour. If each worker can wash 25 packages each hour, how many workers work in the laundry shop?

Solution:

50

5. A water refilling station serves each customer, 23 gallons of water each hour. The station produces 42,481 gallons per hour. How many customers are being served each hour?

Solution:

1847 customers

6. An online movie store reported that 48,912 movies were downloaded in the last 24 hours. How many movies are downloaded each hour?

Solution:

2,038 movies

7. A local basketball league spent \$4,576 to buy kits for coaches. Each kit cost \$44. How many kits were bought?

- A. 101
B. 102
C. 103
D. 104

Solution:

D