

5.NBT.B.6 2-Digit Divisors (Word Problems)

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

1. Divide and record the answer as shown in example a.

- $7,263 \div 44 =$
- $9,860 \div 36 =$
- $9,265 \div 47 =$
- $6,908 \div 40 =$
- $7,172 \div 35 =$
- $6,932 \div 87 =$

Solution:

- 165 r3
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-
-

2. Jake's appliances, a retailer, sold 13 refrigerators in a week. If the gross sales revenue for the refrigerator was \$9,737, how much did each refrigerator sell for?

Solution:

3. A clothing store reported the sales from January to April 2019 in the table on your right. Use the data to solve the following problems.

- Jam, who works in the clothing store is asked to add a new column to the report. The new column should show the number of clothes sold in a month. Help him fill in the data in the new column.
- In which month has the most number of clothes were sold?

Sales Revenue from Sales		
Month	Price of cloth	Total revenues
January	\$9	\$7,767
February	\$10	\$8,310
March	\$11	\$9,218
April	\$12	\$9,948

Solution:

a.

Sales Revenue from Sales			
Month	Price of cloth	Total revenues	Total no. of clothes sold
January	\$9	\$7,767	
February	\$10	\$8,310	
March	\$11	\$9,218	
April	\$12	\$9,948	

b.

4. An engineer has a choice of making 24, 28 or 32 classrooms with a total area of 9,828 square meters. If the classrooms are in equal size and the area of the classroom is a whole number, what is the number of classrooms should the engineer build?

Solution:

5. Which is the correct answer for $9,382 \div 85$?

- 110 r23
- 110 r32
- 111 r27
- 112 r30

Solution:

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Answer Key

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

1. Divide and record the answer as shown in example a.

- a. $7,263 \div 44 =$
- b. $9,860 \div 36 =$
- c. $9,265 \div 47 =$
- d. $6,908 \div 40 =$
- e. $7,172 \div 35 =$
- f. $6,932 \div 87 =$

Solution:

- a. 165 r3
- b. 273 r32
- c. 197 r6
- d. 172 r28
- e. 204 r32
- f. 79 r59

2. Jake's appliances, a retailer, sold 13 refrigerators in a week. If the gross sales revenue for the refrigerator was \$9,737, how much did each refrigerator sell for?

Solution:

\$749

3. A clothing store reported the sales from January to April 2019 in the table on your right. Use the data to solve the following problems.

Sales Revenue from Sales		
Month	Price of cloth	Total revenues
January	\$9	\$7,767
February	\$10	\$8,310
March	\$11	\$9,218
April	\$12	\$9,948

- a. Jam, who works in the clothing store is asked to add a new column to the report. The new column should show the number of clothes sold in a month. Help him fill in the data in the new column.
- b. In which month has the most number of clothes were sold?

Solution:

Sales Revenue from Sales			
Month	Price of cloth	Total revenues	Total no. of clothes sold
January	\$9	\$7,767	863
February	\$10	\$8,310	831
March	\$11	\$9,218	838
April	\$12	\$9,948	829

b. January

4. An engineer has a choice of making 24, 28 or 32 classrooms with a total area of 9,828 square meters. If the classrooms are in equal size and the area of the classroom is a whole number, what is the number of classrooms should the engineer build?

Solution: 28

5. Which is the correct answer for $9,382 \div 85$?

- A. 110 r23
- B. 110 r32
- C. 111 r27
- D. 112 r30

Solution: B