

Division Patterns of Large Numbers

1. Use facts and division patterns to find the quotient.

- | | |
|------------------------------|-----------------------------|
| a. $99,000,000 \div 9,000$ | e. $250,000 \div 5,000$ |
| b. $144,000 \div 120$ | f. $48,000,000 \div 24,000$ |
| c. $169,000,000 \div 13,000$ | g. $21,000,000 \div 7,000$ |
| d. $90,000 \div 15,000$ | h. $16,000 \div 400$ |

Solution:

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

2. A furniture retailer sold 5,000 cabinets in a year and collect \$5,500,000 from the sales of the cabinets. About how much money did each cabinet sell for?

Solution:

3. The state of New York paid about \$1,500 each month for each student attending a public school for education funds. If the school got \$5.04 million in funds in year 2019, about how many students were attending the school in year 2019?

Solution:

4. A revenue for the ticket sales for a single airline flight was estimated to be \$144,000. If each ticket was priced at \$1,200, about how many tickets were sold for the flight?

Solution:

5. A water treatment plant operates 3 water refilling stations. All the workers in the plant donated about 33,000 cans of food to a food bank. If each station in the plant has about 5,500 workers, how many cans of food was donated by each worker?

Solution:

6. Nico had to pay \$6 per square foot for hard wood and \$4 per square foot for installation of the new hard wood floor in his house. He spent \$24,000 to complete the project. How many square feet of hard wood did he get installed?

Solution:

7. An online music store sold 660 copies of a certain song and collected \$8,580 from the sales. What was the price of the song?

- | | |
|-------|-------|
| A. 11 | C. 13 |
| B. 12 | D. 14 |

Solution:

Division Patterns of Large Numbers

Answer Key

1. Use facts and division patterns to find the quotient.

- | | |
|------------------------------|-----------------------------|
| a. $99,000,000 \div 9,000$ | e. $250,000 \div 5,000$ |
| b. $144,000 \div 120$ | f. $48,000,000 \div 24,000$ |
| c. $169,000,000 \div 13,000$ | g. $21,000,000 \div 7,000$ |
| d. $90,000 \div 15,000$ | h. $16,000 \div 400$ |

Solution:

- | | |
|------------------|-----------------|
| a. 11,000 | e. 50 |
| b. 1,200 | f. 2,000 |
| c. 13,000 | g. 3,000 |
| d. 6 | h. 40 |

2. A furniture retailer sold 5,000 cabinets in a year and collect \$5,500,000 from the sales of the cabinets. About how much did each cabinet sell for?

Solution:

\$1,100

3. The state of New York paid about \$1,500 each month for each student attending a public school for education funds. If the school got \$5.04 million in funds in year 2019, about how many students were attending the school in year 2019?

Solution:

280 students

4. A revenue for the ticket sales for a single airline flight was estimated to be \$144,000. If each ticket was priced at \$1,200, about how many tickets were sold for the flight?

Solution:

120

5. A water treatment plant operates 3 water refilling stations. All the workers in the plant donated about 33,000 cans of food to a food bank. If each station in the plant has about 5,500 workers, how many cans of food was donated by each worker?

Solution:

2

6. Nico had to pay \$6 per square foot for hard wood and \$4 per square foot for installation of the new hard wood floor in his house. He spent \$24,000 to complete the project. How many square feet of hard wood did he get installed?

Solution:

2,400 square feet

7. An online music store sold 660 copies of a certain song and collected \$8,580 from the sales. What was the price of the song?

- | | |
|-------|-------|
| A. 11 | C. 13 |
| B. 12 | D. 14 |

Solution:

C