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Division Patterns

1. Find the value of z.
   a. $550{,}000 \div 110 = z$
   b. $320{,}000 \div z = 4{,}000$
   c. $63{,}000 \div 9 = z$
   d. $810{,}000 \div z = 9{,}000$
   e. $72{,}000{,}000 \div z = 8{,}000{,}000$
   f. $z \div 8 = 800{,}000$
   g. $240{,}000 \div z = 4{,}000$
   h. $77{,}000{,}000 \div 7{,}000 = z$

   Solution:
   a.
   b.
   c.
   d.
   e.
   f.
   g.
   h.

2. A book store displayed 120,000 books in 600 shelves. If each of the shelves displayed the same number of books, how many books were displayed in each shelf?

   Solution:

3. Approximately 54,000,000 people ate turkey for thanksgiving dinner in USA in year 2018. If each turkey was shared by 8 people, about how many turkeys were shared for dinner?

   Solution:

4. A gasoline station reported that 112,000,000 gallons of gas were sold each day. If a car owner bought about 14 gallons of gasoline per day, about how many cars were served each day?

   Solution:

5. A farmer gets 1,440,000 cups of milk for a whole month having 30 days. If there were 3,000 goats in the farm, about how many cups of milk were taken from a single goat each day?

   Solution:

6. A trucking company reported that 54,000 gallons of fuel is used every day to transport goods. Each company truck is driven for about 360 miles each day. Each truck covers about 6 miles per gallon. How many trucks did the company use to transport goods?

   Solution:

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Answer Key

1. Find the value of z.
   a. $550,000 \div 110 = z$
   b. $320,000 \div z = 4,000$
   c. $63,000 \div 9 = z$
   d. $810,000 \div z = 9,000$
   e. $72,000,000 \div z = 8,000,000$
   f. $z \div 8 = 800,000$
   g. $240,000 \div z = 4,000$
   h. $77,000,000 \div 7,000 = z$

Solution:
a. 5,000
b. 80
c. 7,000
d. 90
e. 9
f. 6,400,000
g. 60
h. 11,000

2. A book store displayed 120,000 books in 600 shelves. If each of the shelves displayed the same number of books, how many books were displayed in each shelf?

Solution:
200

3. Approximately 54,000,000 people ate turkey for thanksgiving dinner in USA in year 2018. If each turkey was shared by 8 people, about how many turkeys were shared for dinner?

Solution:
6,750,000

4. A gasoline station reported that 112,000,000 gallons of gas were sold each day. If a car owner bought about 14 gallons of gasoline per day, about how many cars were served each day?

Solution:
8,000,000

5. A farmer gets 1,440,000 cups of milk for a whole month having 30 days. If there were 3,000 goats in the farm, about how many cups of milk were taken from a single goat each day?

Solution:
16 cups

6. A trucking company reported that 54,000 gallons of fuel is used every day to transport goods. Each company truck is driven for about 360 miles each day. Each truck covers about 6 miles per gallon. How many trucks did the company use to transport goods?

Solution:
900