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4.NBT.B.6 Estimate Quotients

4.NBT.B.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors

1. Write a number sentence that represents the best estimate. Estimate the quotient.
   a. $3,219 \div 8 =$
   b. $2,392 \div 6 =$
   c. $6,405 \div 4 =$
   d. $5,419 \div 9 =$
   e. $1,811 \div 3 =$
   f. $4,914 \div 7 =$
   g. $45,082 \div 9 =$
   h. $721 \div 8 =$
   i. $504 \div 5 =$
   j. $4,992 \div 10$

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

2. A barber shop performed about 3200 services in 10 days. If there are 16 barbers working in the shop, about how many services are performed by a barber each day?

   Solution:

3. A laptop company manufactured 440,200 laptops last month. If the month has 31 days, about how many laptops were manufactured each day?

   Solution:

4. A piece of ribbon is 351 cm long. How many 7 cm long pieces can I cut from it?

   Solution:

5. Jessy spent $5.99 to buy packs of candy. If she bought a total of 6 packs of candy, about how did each pack of candy cost?

   Solution:

6. A professional basketball team scored 642 points in 8 games. If the team played with 10 players, about how many points were scored by a single player in each game?

   Solution:

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4.NBT.B.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors

1. Write a number sentence that represents the best estimate. Estimate the quotient.
   a. $3,219 \div 8 =$
   b. $2,392 \div 6 =$
   c. $6,405 \div 4 =$
   d. $5,419 \div 9 =$
   e. $1,811 \div 3 =$
   f. $4,914 \div 7 =$
   g. $45,082 \div 9 =$
   h. $721 \div 8 =$
   i. $504 \div 5 =$
   j. $4,992 \div 10$

   Solution:
   a. $3,200 \div 8 = 400$
   b. $2,400 \div 6 = 400$
   c. $6,400 \div 4 = 1,600$
   d. $5,400 \div 9 = 600$
   e. $1,800 \div 3 = 600$
   f. $4,900 \div 7 = 700$
   g. $45,000 \div 9 = 5,000$
   h. $720 \div 8 = 90$
   i. $500 \div 5 = 100$
   j. $5,000 \div 10 = 500$

2. A barber shop performed about 3200 services in 10 days. If there are 16 barbers working in the shop, about how many services are performed by a barber each day?

   Solution: 20

3. A laptop company manufactured 440,200 laptops last month. If the month has 31 days, about how many laptops were manufactured each day?

   Solution: 14,200

4. A piece of ribbon is 351 cm long. How many 7 cm long pieces can I cut from it?

   Solution: 50

5. Jessy spent $5.99 to buy packs of candy. If she bought a total of 6 packs of candy, about how did each pack of candy cost?

   Solution: $1

6. A professional basketball team scored 642 points in 8 games. If the team played with 10 players, about how many points were scored by a single player in each game?

   Solution: 8