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4.NBT.B.6 Divisors, Quotients and Remainders

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

1. Divide. Find the quotient and remainder. Use counters or picture to help.
   a. $39 \div 8 =$
   b. $92 \div 6 =$
   c. $45 \div 4 =$
   d. $59 \div 9 =$
   e. $81 \div 5 =$
   f. $44 \div 7 =$
   g. $82 \div 9 =$
   h. $71 \div 11 =$

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

2. Divide. Find the quotient and remainder.
   a. $7\overline{)48} =$
   b. $8\overline{)57} =$
   c. $9\overline{)39} =$
   d. $6\overline{)35} =$

Solution
a.
b.
c.
d.

3. Diane distributes 52 cards among 5 players equally. How many cards does each player get? How many cards are left?

Solution:

4. Harry wants to place 21 apples in 4 bags, each bag having the same number of apples. How many whole apples can be placed in a bag?

Solution:

5. Julia has to arrange 70 books in four book shelves equally. She puts the remaining books on the table. How many books are there on each shelf? How many books are on the table?

Solution:

6. Daniel has 78 marbles that she wants to give to his 7 friends equally. How many marbles does each friend get? How many are left over?

Solution:

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Answer Key

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   a. $39 \div 8 =$
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   g. $82 \div 9 =$
   h. $71 \div 11 =$

Solution:
a. Quotient: 4; Remainder: 7
b. Quotient: 15; Remainder: 2
c. Quotient: 11; Remainder: 1
d. Quotient: 6; Remainder: 5
e. Quotient: 16; Remainder: 1
f. Quotient: 6; Remainder: 2
g. Quotient: 9; Remainder: 1
h. Quotient: 6; Remainder: 5

2. Divide. Find the quotient and remainder.
   a. $7\overline{)48} =$
   b. $8\overline{)57} =$
   c. $9\overline{)39} =$
   d. $6\overline{)35} =$

Solution
a. Quotient: 6; Remainder: 6
b. Quotient: 7; Remainder: 1
c. Quotient: 4; Remainder: 3
d. Quotient: 5; Remainder: 5

3. Diane distributes 52 cards among 5 players equally. How many cards does each player get? How many cards are left?

Solution: 10 cards each; 2 remaining

4. Harry wants to place 21 apples in 4 bags, each bag having the same number of apples. How many whole apples can be placed in a bag?

Solution: 5 apples

5. Julia has to arrange 70 books in four book shelves equally. She puts the remaining books on the table. How many books are there on each shelf? How many books are on the table?

Solution: 17 books; 2 on table

6. Daniel has 78 marbles that she wants to give to his 7 friends equally. How many marbles does each friend get? How many are left over?

Solution: 11 marbles; 1 left