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4.NBT.B.6 Divide 2-Digit Numbers by 1-Digit Divisors (Draw Models)

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

1. Use additional blank paper to draw models. Divide to find quotient and remainder.

   a. $7\overline{)45}$ =
   b. $5\overline{)77}$ =
   c. $8\overline{)68}$ =
   d. 38 ÷ 3 =
   e. 97 ÷ 6 =
   f. 53 ÷ 4 =
   g. 84 ÷ 5 =

   a. e.
   b. f.
   c. g.
   d.

2. Abbie wants to plant 23 flowers in her garden. She have only 4 rows of flowers. How many flowers will be in each row? How many flowers will be left over?

   Solution:

3. Harvey bought 3 cakes for his sister's birthday party. He divided each cake into 12 slices. There were 11 people in total in the party. How many slices of cake did each person get if they ate the same number of slices?

   Solution:

4. Manny was raising funds for his team so that they can participate in Science camp. He sold 9 bags of candy bars and raised a total of 63 dollars. How much did each bag of candy sell for?

   Solution:

5. Complete each table by using division.

Quarts	4	16	28	36	56	60
Gallons	1					

Teaspoons	3	9	15	24	27	39
Tablespoons	1					

6. How can you use multiplication to verify the results of division? Give an example and explain.

   Solution:

7. Anny bought a box of beads to make bracelets. The box contains78 beads. She wants to make 9 bracelets. How many beads should she put in each bracelet? How many beads will be left over?

   Solution:

8. Maxine says that 44 ÷ 5 = 8 r4 (Quotient is 8 and remainder is 4). Which equation can be used to verify whether she is correct?

   A. 44 = 8 × 5 + 4
   B. 44 = 8 × 5 × 4
   C. 44 = 8 + 5 + 4
   D. 44 = 8 + 5 × 4

   Solution:

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Answer Key

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   d. 38 ÷ 3 =
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   a. Quotient:6; Remainder:3
   b. Quotient:15; Remainder:2
   c. Quotient:8; Remainder:4
   d. Quotient:12; Remainder:2
   e. Quotient:15; Remainder:2
   f. Quotient:13; Remainder:1
   g. Quotient:16; Remainder:4

2. Abbie wants to plant 23 flowers in her garden. She have only 4 rows of flowers. How many flowers will be in each row? How many flowers will be left over?

   Solution: 5 flowers each row; 3 remaining

3. Harvey bought 3 cakes for his sister's birthday party. He divided each cake into 12 slices. There were 11 people in total in the party. How many slices of cake did each person get if they ate the same number of slices?

   Solution: 3 slices for each person; 3 remaining

4. Manny was raising funds for his team so that they can participate in Science camp. He sold 9 bags of candy bars and raised a total of 63 dollars. How much did each bag of candy sell for?

   Solution: $7

5. Complete each table by using division.

Quarts	4	16	28	36	56	60
Gallons	1	4	7	9	12	15

Teaspoons	3	9	15	24	27	39
Tablespoons	1	3	5	8	9	13

6. How can you use multiplication to verify the results of division? Give an example and explain.

   Multiply the quotient by the divisor and add the remainder. If the result is equal to the dividend, then division is solved accurately.

7. Anny bought a box of beads to make bracelets. The box contains78 beads. She wants to make 9 bracelets. How many beads should she put in each bracelet? How many beads will be left over?

   Solution: 8 beads in each bracelet; 6 remaining

8. Maxine says that 44 ÷ 5 = 8 r4 (Quotient is 8 and remainder is 4). Which equation can be used to verify whether she is correct?

   A. 44 = 8 × 5 + 4
   B. 44 = 8 × 5 × 4
   C. 44 = 8 + 5 + 4
   D. 44 = 8 + 5 × 4

   Solution: A