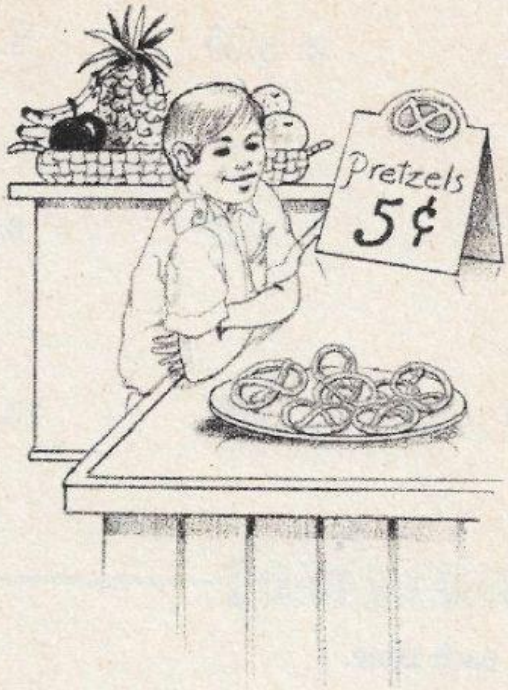
Working With Remainders

Keith wants to buy as many pretzels as he can with 43¢. How many can he buy? How much money will he have left?



We want to know the number of pretzels Keith can buy and how much money he will have left.

We know Keith has ____ to spend.

Each pretzel costs ____.

To find the number of pretzels Keith can buy and to find out how much money will be left over, we divide ____ by ____.

Guess the closest division fact with a product less than or equal to 43.	Multiply.	Subtract.	The remainder must be less than the divisor.
8	8	8 pretzels	8 R3
5¢)43¢	5¢)43¢	5¢)43¢	5¢)43¢
	40 (8 × 5)	− 40	− 40
		3 remainder	3
			(3¢ < 5¢)

Keith can buy ____ pretzels. He will have ____ left.

Getting Started

Divide. Show your work.

1. 6)13
2. 4)23
3. 2)19
4. 7)32
5. 8)23
6. 9)30
7. 5)37
8. 3)25
9. 8)58
10. 6)39

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Practice

Divide. Show your work.

1. $8\overline{)43}$
2. $5\overline{)39}$
3. $4\overline{)34}$
4. $9\overline{)86}$
5. $7\overline{)45}$
6. $2\overline{)13}$
7. $6\overline{)27}$
8. $3\overline{)28}$
9. $6\overline{)34}$
10. $4\overline{)30}$
11. $6\overline{)39}$
12. $9\overline{)51}$
13. $8\overline{)31}$
14. $7\overline{)29}$
15. $3\overline{)16}$

Now Try This!

Complete each table.

It's Algebra!

Multiply.	Add.	Find each missing factor.	Find each missing addend.
1 × 9 = ____	0 + 9 = ____	9 × ____ = 9	0 + ____ = 9
2 × 9 = ____	1 + 8 = ____	9 × ____ = 18	1 + ____ = 9
3 × 9 = ____	2 + 7 = ____	9 × ____ = 27	2 + ____ = 9
4 × 9 = ____	3 + 6 = ____	9 × ____ = 36	3 + ____ = 9
5 × 9 = ____	4 + 5 = ____	9 × ____ = 45	4 + ____ = 9
6 × 9 = ____	5 + 4 = ____	9 × ____ = 54	5 + ____ = 9
7 × 9 = ____	6 + 3 = ____	9 × ____ = 63	6 + ____ = 9
8 × 9 = ____	7 + 2 = ____	9 × ____ = 72	7 + ____ = 9
9 × 9 = ____	8 + 1 = ____	9 × ____ = 81	8 + ____ = 9

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