

Part 4 Multiples of 10 and 100

Solve each pair of related number sentences.

1. $4 \times 80 =$

$320 \div 4 =$

2. $40 \times 6 =$

$240 \div 40 =$

3. $70 \times 4 =$

$280 \div 70 =$

4. $60 \times 7 =$

$420 \div 7 =$

5. $8 \times 70 =$

$560 \div 70 =$

6. $80 \times 60 =$

$4800 \div 80 =$

Part 5 Number Relationships

1. **A.** Is 51 prime? Tell how you know.
B. Is 53 prime? Tell how you know.
C. Is 55 prime? Tell how you know.
2. **A.** Is 6 a factor of 96? How can you tell?
B. Is 6 a factor of 116? How can you tell?
3. Make a factor tree to find the prime factors of 54.

Part 6 Function Machines

1. Complete each function table. Use the rules in the second column.

A.

Input	Output
N	$8 \times N - 4$
1	4
3	
5	
7	
9	
11	

B.

Input	Output
N	$50 - N \times 2$
2	46
4	
6	
8	
10	
12	

C.

Input	Output
N	$7 \times N + 2$
4	
6	
8	
	72

D.

Input	Output
N	$9 \times N$
5	
	63
	72
	90

2. Find the rule for each function table. Write the rule in the second column. Then, find the missing numbers in each of the tables.

A.

Input	Output
N	_____
11	5
15	9
23	17
	27
	53
100	

B.

Input	Output
N	_____
4	80
5	100
	140
9	180
	200
30	