**BLM 7.N.1.2: Divisibility Questions**

1. Use mental mathematics strategies to find the sum of the digits in the following numbers. Record your thinking.

a) 7943

b) 62 847

2. Use mental mathematics strategies to calculate the following. Record your thinking. When you have answered each question, prepare to explain how you know your answer is correct. You may wish to find other strategies that also work.

a) 126 + 83

b) 648 + 1055

c) the difference between 208 and 12

d) the product of 30 and 40

e) the product of 62 and 5

f) the quotient of 2100 divided by 7

3. Use a Venn diagram to compare the multiples of 3 and 4 between the numbers 1 and 40.

*(continued)*

**BLM 7.N.1.2: Divisibility Questions (continued)**

4. Use a Carroll diagram to identify factors of 32 and 36 as prime numbers or composite numbers.

|  |  |  |
| --- | --- | --- |
|  | **Prime Numbers** | **Composite Numbers** |
| Factors of 32 |  |  |
| Factors of 36 |  |  |

5. Calculate the following.

a) 743 2

b) 96

15

c) 538 7

d) 648 9

e) 8

6. Express the following numbers using the stated place values.

*Example:*

3621 stated as hundreds and units is 36 hundreds and 21 units.

a) 1400 (as hundreds)

b) 364 (as tens and units)

c) 45 407 (as thousands, tens, and units)