

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 12-2**

## Working With Data

1. List all the four-digit numbers that are even, have a 6 in the tens place, and whose digits add to 12.

2. Is  $349 \times 0.9$  greater than, less than, or equal to 349? How do you know?

---

---

3. Suppose you know that  $48 \div 16 = 3$ . Without finding the exact answer, tell whether the answer to  $48 \div 15.99$  is greater than, less than, or equal to 3. Why?

---

---

4. Use the multiplication below to answer the questions that follow.

$$\begin{array}{r} 248 \\ \times \boxed{D}\boxed{E} \\ \hline 1\boxed{G}36 \\ 248 \\ \hline 4216 \end{array}$$

Note:  $\boxed{D}$ ,  $\boxed{E}$ , and  $\boxed{G}$  are each a single digit.

- a) Can E be 2? Explain.

---

---

- b) What is the value of D? Why?

---

---

- c) What is the value of G? How do you know?

---

---

Name: \_\_\_\_\_

Date: \_\_\_\_\_

5. The number 15 can be written as the sum of consecutive numbers in several ways. Some of these are

$$7 + 8$$

$$4 + 5 + 6$$

$$1 + 2 + 3 + 4 + 5$$

$$0 + 1 + 2 + 3 + 4 + 5$$

Show how to express each of the whole numbers from 20 to 25 as the sum of consecutive integers.

---

---

---

---

---

6. Five different whole numbers are listed from smallest to largest. The sum of the largest and smallest numbers is 14. The total for all five numbers is 38. If the smallest and largest numbers are odd and all the other numbers are even, what are the numbers? Give at least two different answers.

7. Some students were asked for their favourite music type. The results of the survey are shown in the frequency table.

Favourite Music	Tally	Frequency
Rap	### ###	13
Alternative & Punk	###	
Rock	###	
Jazz	###	
Western		

a) Complete the frequency table.

b) Assume that each student chose one music type. How many students participated in the survey? \_\_\_\_\_

c) Which music type was most popular? \_\_\_\_\_  
How many students picked this music type? \_\_\_\_\_

d) Which music type was least popular? \_\_\_\_\_  
What is the frequency of this music type? \_\_\_\_\_

e) How many more students chose Rap than Rock? \_\_\_\_\_

f) How many fewer students chose Jazz than Alternative & Punk? \_\_\_\_\_