Name: _____ Date: _____

BLM 6–9

Chapter 6 Test

For #1 to #6, choose a term from the list on the right that best matches each description on the left. Each letter may be used more than once or not at all.

1. _____ The part of the fraction that tells how many parts out of the whole you have

2. _____ When a number can be *divided by* another number, with no remainder

3. _____ A number that will *divide into* another number, with no remainder

4. _____ The part of the fraction that tells into how many parts the whole has been cut

5. _____ $12 \div 0$

6. _____ $\frac{6}{8} = \frac{3}{4}$

A numerator

B not possible

C factor

D divisible

E denominator

F written in lowest terms

G multiple

For #7 to #10, circle the best answer.

7. Adding all of the digits in a whole number and then checking if the sum is divisible by 9 is the rule for

A divisibility by 9 **B** divisibility by 6
C divisibility by 4 **D** divisibility by 3

8. ABCDE represents a five-digit whole number. You are told that ABCDE is divisible by 5. Which of the following must be true?

A E must be 0, 2, 4, 6, or 8. **B** E must be 0, 2, 4, or 6.
C E must be 0. **D** E must be 0 or 5.

9. 32☐81 is a five-digit whole number. You are told that 32☐81 is divisible by 3. Which one of the following could be true?

A ☐ = 2 **B** ☐ = 3 **C** ☐ = 4 **D** ☐ = 5

Short Answer

10. Add or subtract. Write your answers in lowest terms.

a) $\frac{8}{15} + \frac{1}{15} =$ _____ **b)** $\frac{3}{8} - \frac{1}{8} =$ _____

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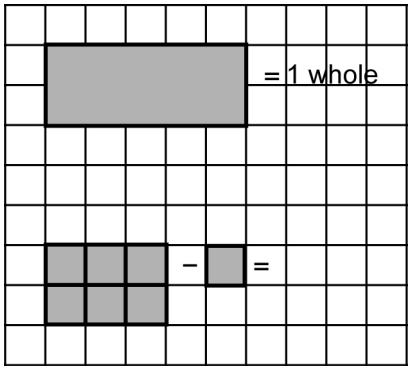
(continued)

11. In the illustration, the large rectangle is one whole. How much of the whole is made when the pieces are subtracted as shown? Write your answer in lowest terms.



_____

12. A large number of people were at an international meeting. Out of all the people, $\frac{4}{15}$ were from Canada, $\frac{4}{15}$ were from the United States, $\frac{2}{15}$ from China, $\frac{2}{15}$ from Korea, and the rest were from different countries in Europe. What fraction of the people were from Europe? Show your work.

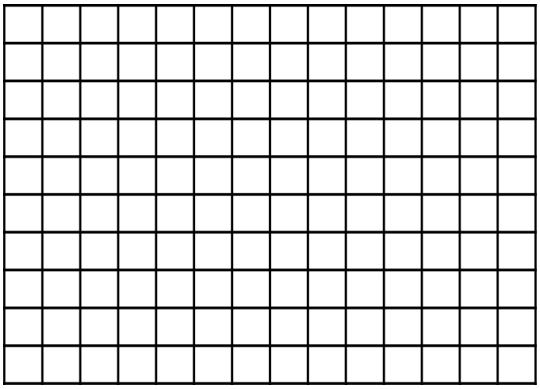
Extended Response

13. a) Make a diagram on the grid that shows how to add the following:

$\frac{5}{12} + \frac{3}{12}$

In your diagram, show $\frac{5}{12} + \frac{3}{12}$ as well as the final answer.

b) Write the final answer in fraction form. _____



14. Write a problem to do with a real-life situation that involves the subtraction of fractions. Include the solution to your problem.

_____

_____

_____