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

**Assessment 1 Review**

**(No Calculator)**

**6.NS.1 Multiplying and Dividing Fractions**

1. Calculate. Show all work.

  

$5×\frac{2}{5}$ $\frac{1}{7}×2\frac{2}{3}$ $7÷\frac{1}{3}$

$\frac{1}{3}÷\frac{2}{3}$ $\frac{7}{8}÷3$ $\frac{5}{6}÷\frac{1}{4}$

2. An area in your backyard is 3/4 square kilometer. If the length is 2/5 km, what is the width? Use mathematics and/or a visual representation to show your work.

3. Ms. Berman buys candy for 4 classes of students. If each class eats  of a pound of candy, how much candy was eaten total (in pounds)? Use mathematics and/or a visual representation to show your work.

4. Mike has  of a pan of brownies to divide evenly among 8 people. How much of the original pan of brownies will each person get? Use mathematics and/or a visual representation to explain how you solved the problem.

5. David has  yd. of wood and wants to make some birdhouses for a party. If each birdhouse requires  yd of wood, how many birdhouses can he make? Use mathematics and/or a visual representation to show your work.

6. How wide is a rectangular carpet square with a length of 2 ½ feet and an area of 3 ¾ square feet? Use mathematics and/or a visual representation to show your work.

7. Karlie buys $3\frac{7}{8}$ lbs. of candy to serve at a party. If each serving is gets ¼ lb. of candy, how many servings will Karlie have? Use mathematics and/or a visual representation to show your work.

8. Mary has 1/2 yard of fabric to make scarves. Each scarf uses 1/8 yards of fabric. How many scarves can Mary make?

1. Draw a visual to represent the problem:
2. Answer:
3. What mathematical problem did you solve?

9. Shane has 2/3 of an apple pie. He wants to split it between his 6 friends. How much pie does each person get?

1. Draw a visual to represent the problem:
2. Answer:
3. What mathematical problem did you solve?

**6.NS.2 Standard Algorithm for Division**

10. Compute using the standard algorithm:

a)  b)  c) 

d) $7031÷16=$ e) $5434÷26= $ f) $8188÷23=$

**6.NS.3 Adding, Subtracting, Multiplying, and Dividing Decimals**

11. You are charged $3.60 for an overdue library book. If the late fee is $0.45 per day, how many days was your book overdue? **Show how you determined your answer.**

12. A rectangle has a length of 2.8 cm and a width of 4.1 cm. Use the formula **A=LxW** to determine the area of the rectangle. **Show your work.**

13. One pound of chocolate costs $2.15. To the nearest cent, how much will 3.8 pounds of chocolate cost? **Show how you determined your answer.**

14. Dale is 149.213 centimeters tall, and Charlie is 151.2 centimeters tall. What is the difference in their heights? **Show how you determined your answer.**

15. Ms. Berman presents this problem to the class: 64.57 ÷ 100

Ashley says that the quotient is 0.6457. Spencer says that the quotient is 6,457. Who is correct? Explain how you know.

16. Use the standard algorithm for multiplication to find the product of 9.7 and 5.2. Show how you determined your answer.