Name _____   Date_____

Topics 9-12 Common Assessment
5.NF.B.3, 5.NF.B.7a, 5.NF.B.7b, 5.NF.B.7c, 5.MD.A.1, 5.MD.B.2, 5.MD.C.3a, 5.MD.C.3b, 5.MD.C.4,
5.MD.C.5a, 5.MD.C.5b, 5.MD.C.5c

1. Zoe says ⅚ is equal to $6 \div 5$. Is she correct? Explain. (**5.NF.B.3**)

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2. Solve ⅕ $\div$ 6 (**5.NF.B.7a**)

3. Write in the numbers in the boxes to make each equation true. (**5.NF.B.7b**)
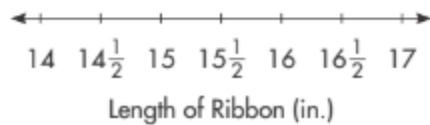
$$7 \div \frac{1}{\square} = 28$$

$$\square \div \frac{1}{6} = 48$$

$$4 \div \frac{1}{9} = \square$$

4. Arnold has 4 cups of trail mix. He wants to divide the trail mix into 1 3-cup servings. How many 1
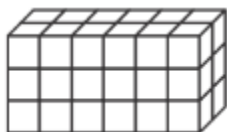
3-cup servings are there in 4 cups? (**5.NF.B.7c**)

5. Mia cut ribbon into different pieces. The table shows the lengths of the pieces. Complete the line plot for the data set. (**5.MD.B.2**)

16	$16\frac{1}{2}$	17	$14\frac{1}{2}$	$15\frac{1}{2}$	$16\frac{1}{2}$
17	$16\frac{1}{2}$	$15\frac{1}{2}$	14	17	$16\frac{1}{2}$

14 $14\frac{1}{2}$ 15 $15\frac{1}{2}$ 16 $16\frac{1}{2}$ 17
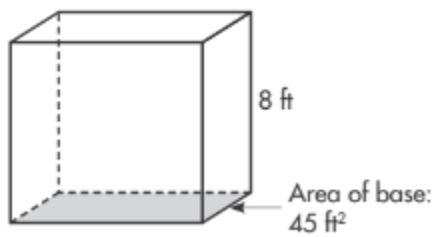
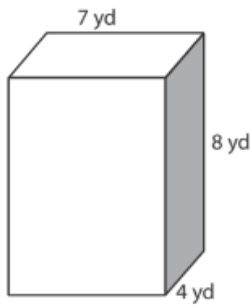Length of Ribbon (in.)

What is the total length of ribbon that was cut?

6. Find the volume of the figure below. (**5.MD.C.3a/5.MD.C.3b/5.MD.C.4**)

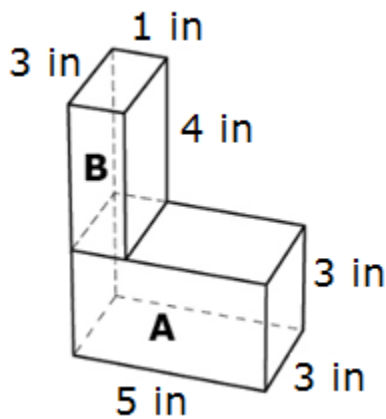7. Find the volume of the figure below. (**5.MD.C.5a**)

8 ft

Area of base:
45 ft²

8. Find the volume of the figure below. (**5.MD.C.5b**)

7 yd

8 yd

4 yd

Write an equation that shows how you found the volume.

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9. Find the combined volume of the figure below. (**5.MD.C.5c**).

1 in

3 in

4 in

B

3 in

A

3 in

5 in

10. Complete each conversion by writing the correct number in the box. Each number may be used

more than once or not at all. (**5.MD.A.1**)

| 2.5 | 25 | 250 | 2,500 | 25,000 |

25 m = [   ] cm

25 kg = [   ] g

2,500 mm = [   ] cm

2,500 mL = [   ] L

11. Ingrid's baby brother weighed 6 pounds 6 ounces when he was born. He has gained 1 pound 3 ounces since then. What is her baby brother's current weight, in ounces? (**5.MD.A.1**)