

Incoming 5th Grade Summer Work

This summer review packet is meant to brush up on last year's topic. It is meant not to be done all at once, instead a little at a time throughout the summer to stay fresh with the material.

1. Compare using $>$, $<$, or $=$. Write your answer inside the circle.

a. 234 thousands + 7 ten thousands 241,000

b. 4 hundred thousands – 2 thousands 200,000

c. 1 million 4 hundred thousands + 6 hundred thousands

d. 709 thousands – 1 hundred thousand 708 thousands

2. Norfolk, VA, has a population of 242,628 people. Baltimore, MD, has 376,865 more people than Norfolk.

Charleston, SC, has 496,804 less people than Baltimore.

a. What is the total population of all three cities?

b. Round to the nearest hundred thousand to check the reasonableness of your answer for the population of Charleston, SC.

c. Record each city's population in numbers, in words, and in expanded form.

3. Find the sum or difference:

a. 493 km 43 m + 17 km 57 m

b. kg 32 g – 23 kg 83 g

c. 100 L 99 mL + 2,999 mL

4. Complete the conversion charts.

Length	
3 km	_____ m
9 km	_____ m
6 km 435 m	_____ m
12 km 12 m	_____ m

Mass	
3 kg	_____ g
20 kg 300 g	_____ g
1 kg 74 g	_____ g
403 kg 4 g	_____ g

Capacity	
4 L	_____ mL
48 L 808 mL	_____ mL
2 L 20 mL	_____ mL
639 L 6 mL	_____ mL

5. Billy is training for a half marathon. For the problems below, use tape diagrams, numbers, and words to explain each answer.

a. Each day, Billy runs on the treadmill for 5 kilometers and runs on the outdoor track for 6,000 meters. In all, how many meters does Billy run each day?

b. Since Billy has started training, he has also been drinking more water. On Saturday, he drank 2 liters 755 milliliters of water. On Sunday, he drank some more. If Billy drank a total of 4 liters 255 milliliters of water on Saturday and Sunday, how many milliliters of water did Billy drink on Sunday?

6. What is the greatest multiple of 7 that is less than 60?

7. Identify each number as prime or composite. Then, list all of its factors.

- a. 3 _____
- b. 15 _____
- c. 24 _____
- d. 29 _____

8. Use any strategy to multiply or divide.

- a. $5,316 \div 3$
- b. $3,809 \div 5$
- c. 29×56
- d. 17×43

9. A new grocery store is opening next week.

- a. The store's rectangular floor is 42 meters long and 39 meters wide. How many square meters of flooring do they need? Use estimation to assess the reasonableness of your answer
- b. The store ordered small posters and large posters to promote their opening. 12 times as many small posters were ordered as large posters. If there were 48 large posters, how many more small posters were ordered than large posters
- c. Uniforms are sold in packages of 8. The store's 127 employees will each be given 3 uniforms. How many packages will the store need to order?

10. Find each sum or difference.

a. $6\frac{4}{10} + 7\frac{7}{10}$

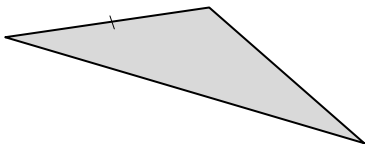
c. $1\frac{9}{12} - 1\frac{4}{12}$

b. $3\frac{3}{8} + 6\frac{5}{8} + 1\frac{7}{8}$

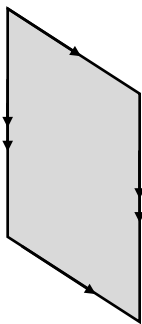
d. $5\frac{2}{5} - 1\frac{3}{5}$

11. Name each of the follow, name each shape based on its properties:

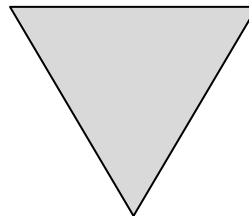
a.



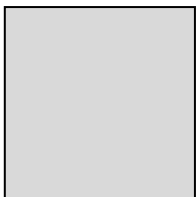
b.



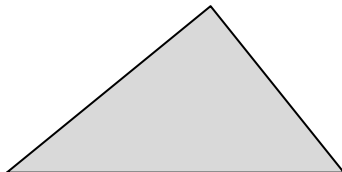
c.



d.



e.



f.



12. For each triangle listed below, state whether it is acute, obtuse, or right and whether it is isosceles, equilateral, or scalene.

Triangle a : _____

Triangle c: _____

Triangle e: _____

13. Fill in the circles below with $<$, $=$, or $>$ to make true number sentences. Use decomposition or multiplication to justify your answer.

a. $7 \bigcirc \frac{43}{6}$

b. $11\frac{1}{3} \bigcirc \frac{34}{3}$

c. $\frac{13}{6} \bigcirc \frac{38}{12}$

14. The chart to the right shows data Amy collected about butterfly wingspans.

- At the bottom of this page, create a line plot to display the data in the table.
- What is the difference in wingspan between the widest and narrowest butterflies on the chart?
- Three butterflies have the same wingspan. Explain how you know the measurements are equal.

Butterfly	Wingspan (inches)
Monarch	$3\frac{7}{8}$
Milbert's Tortoiseshell	$2\frac{5}{8}$
Zebra Swallowtail	$2\frac{1}{2}$
Viceroy	$2\frac{6}{8}$
Postman	$3\frac{3}{8}$
Purple Spotted Swallowtail	$2\frac{2}{8}$
Julia	$3\frac{2}{4}$
Southern Dogface	$2\frac{3}{8}$
Tiger Swallowtail	$3\frac{1}{2}$
Regal Fritillary	$3\frac{4}{8}$

15. Compare:

a. 17 tenths 1.7

b. 1.04 $1\frac{4}{10}$

c. 0.38 $\frac{38}{10}$

d. 4.05 $4\frac{5}{100}$

e. 3 tenths + 2 hundredths 1 tenth + 13 hundredths

16. Brian and Sonya each have a container. They mark their containers to show tenths. Brian and Sonya both fill their containers with 0.7 units of juice. However, Brian has more juice in his container. Explain how this is possible.

17. Solve for the following conversions. Provide work to show the equivalency.

a. 1 gal = _____ qt

b. 3 qt 1pt = _____ pt

18. Complete the following tables:

Pounds	Ounces
1	
2	
6	
10	
13	

Hours	Minutes
1	
3	
7	
10	
14	

19. Answer *true* or *false* for the following statements. Explain how you know using pictures, numbers, or words.

a. 68 ounces < 4 pounds _____

b. 920 minutes > 17 hours _____

c. 38 inches = 3 feet 2 inches _____

20. Convert the following measurements.

a. Express the length of a 9 kilometer trip in meters. _____

b. Express the capacity of a 3 liter 240 milliliter container in milliliters. _____

c. Express the length of a 3 foot 5 inch fish in inches. _____

d. Express the length of a $2\frac{1}{4}$ hour movie in minutes. _____

e. Express the weight of a $24\frac{3}{8}$ pound wolverine in ounces. _____