

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

# 6<sup>th</sup> Grade

## **Math Packet**

**Directions: Complete and show work for problems! Packet is due THURSDAY 9/5/19!**

1. 236.785

the 6 is in the \_\_\_\_\_ place

the 7 is in the \_\_\_\_\_ place

2. Write in word form 642.7

\_\_\_\_\_

3. Write in order from least to greatest

0.004   8.2   34    $\frac{5}{10}$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

4. Write as a mixed number

$\frac{32}{7}$  \_\_\_\_\_

5. Solve.  $2\frac{1}{2} + \frac{3}{4}$

\_\_\_\_\_

6. Solve.

$\frac{3}{5} \times \frac{4}{6}$

\_\_\_\_\_

7.-8. Carly wants to make brownies for Jason's birthday. She needs to make 3 batches of brownies for the party. If each batch needs  $1\frac{1}{4}$  cups of flour, how much flour will Carly use?

WORK:

Important Information:

\_\_\_\_\_  
\_\_\_\_\_

Operation used to solve problem: \_\_\_\_\_

ANSWER:(Remember write in sentence form!) \_\_\_\_\_

9. Add. Show work!

$$116.298 + 24.03$$

10. Subtract. Show work!

$$\$4078.32 - \$210.65$$

11. Multiply! Show work!

$$46.25 \times 12.5$$

12. Divide! Show work!

$$150.00 \div 24$$

13. Divide, show work!

$$64.23 \div 0.4$$

14. Solve. Show work!

$$7/8 \div 2/3$$

15. 56.98475

Round to the nearest thousandths.

\_\_\_\_\_

Round to the nearest ones place.

\_\_\_\_\_

16. If 4 quarts = 1 gallon, how many quarts will = 6 gallons?

\_\_\_\_\_

17. Find the perimeter of a yard that measures 120 ft long and 170 ft wide. Show work!

18. Find the area of a rug that measures 16 ft long by 22ft wide.

\_\_\_\_\_

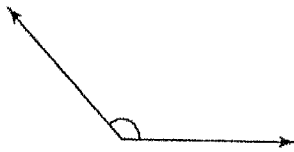
19. Rewrite in exponential form.

$$7 \times 7 \times 7 \times 7 = \underline{\hspace{2cm}}$$

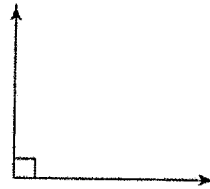
20. Solve.

$$5^3 = \underline{\hspace{2cm}}$$

21. An angle that measures greater than  $90^\circ$  \_\_\_\_\_ is called an \_\_\_\_\_ angle.



22. The angle below is a \_\_\_\_\_ angle. It measures \_\_\_\_\_ $^\circ$ .



23. SOLVE-USE ORDER OF OPERATIONS!

$$25 - 3 \times 6 + 4$$

\_\_\_\_\_

24. Simplify!

$$61/5 = \underline{\hspace{2cm}}$$

26. Find the GCF:

27: \_\_\_\_\_

3: \_\_\_\_\_

GCF: \_\_\_\_\_

25. Write as an improper fraction

$$5 \frac{3}{4} = \underline{\hspace{2cm}}$$

27. Find the LCM:

28: \_\_\_\_\_

21: \_\_\_\_\_

LCM: \_\_\_\_\_

28. List the factors for :

16: \_\_\_\_\_

9: \_\_\_\_\_

29. Find the perimeter.

side 1 = 6 inches,

side 2 = 5 inches,

side 3 = 6 inches,

side 4 = 3 inches

side 5 = 5 inches.

Perimeter = \_\_\_\_\_ inches.

30. What is the radius of a circle with a diameter of 14 inches?

Show work.

Radius = \_\_\_\_\_ inches.

31. Find the diameter of a circle with a radius of 4 cm. Show work.

diameter = \_\_\_\_\_ cm.

32. What fraction is equivalent to:

$$\frac{8}{10} = \frac{?}{20}$$

\_\_\_\_\_

33. Complete the equivalent fractions set.

$$\frac{2}{3} = \frac{\quad}{30} = \frac{\quad}{12}$$

34. Solve. Show work.

$$234 \times 16$$

35. Solve. Show work.

$$12 \overline{) 37.2}$$

36. Write in standard form.

$$3 \times 10,000 + 5 \times 100 + 4 \times 1 =$$

---

37.-38 Brandyn has 78 baseball cards. He wants to put the cards into a book. Each page can hold 9 cards. How many pages will be completely filled with cards? How many cards will be on the last page? Show work and explain your answer.

WORK:

Important Information:

\_\_\_\_\_  
\_\_\_\_\_

Operation used to solve problem: \_\_\_\_\_

ANSWER:(Remember write in sentence form!) \_\_\_\_\_

**39.-40. Mrs. Adams is planning a trip for her students. She has 34 students, 4 chaperons and herself going on the trip. She wants the students to sit 2 in a seat and 2 adults on a bus. Each adult gets an individual seat. There are 20 rows of seats on the bus. Are there enough seats for everyone on the bus? Explain you answer!**

**WORK:**

**Important Information:**

---

---

**Operation used to solve problem:** \_\_\_\_\_

**ANSWER:(Remember write in sentence form!)** \_\_\_\_\_

