

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

**Entering 6<sup>th</sup> Grade – Summer Math Packet 2021**

*Be sure to attach any work you do on scratch paper and to circle all of your answers.*

**Multiply or divide.**

1. $\begin{array}{r} 294 \\ \times 57 \\ \hline \end{array}$	2. $\begin{array}{r} 4,362 \\ \times 38 \\ \hline \end{array}$	3. $\begin{array}{r} \overline{7)3,934} \end{array}$	4. $\begin{array}{r} \overline{32)4,672} \end{array}$
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**Solve using the order of operations.**

5.  $3 \times (18 - 2 \times 4) \div 5 =$  \_\_\_\_\_

6.  $4^2 + (24 \div 8 - 3 \times 1) =$  \_\_\_\_\_

**Write a numerical expression to match the words.**

7. Vivian has 24 fewer beads than Janice. Janice has 63 beads.

\_\_\_\_\_

8. Jack caught twice as many fish as Gordon, who reeled in 7 today.

\_\_\_\_\_

9. Margaret had \$22 to spend at the carnival and spent \$15.

\_\_\_\_\_

Name the place value of the underlined digit.

53,814

10. \_\_\_\_\_

15,962,427

11. \_\_\_\_\_

6.731

12. \_\_\_\_\_

314.96

13. \_\_\_\_\_

Use  $>$ ,  $<$  or  $=$  to make the following numerical statements true.

14. 18.967 \_\_\_\_\_ 18.96

15. 0.14 \_\_\_\_\_ 0.140

16. 3.02 \_\_\_\_\_ 3.56

Complete the following with 10, 100 or 1,000 or  $1/10$ ,  $1/100$  or  $1/1,000$ .

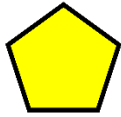
17. 400,000 is \_\_\_\_\_ times as much as 400.

18. 92 is \_\_\_\_\_ of 9,200.

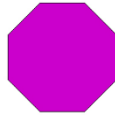
19. \_\_\_\_\_ of 160 is 16.

20. 57,000 is \_\_\_\_\_ times as much as 570.

Name the polygons.



21. \_\_\_\_\_



22. \_\_\_\_\_



23. \_\_\_\_\_

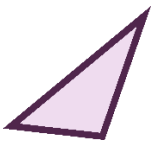


24. \_\_\_\_\_



25. \_\_\_\_\_

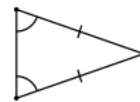
Name the triangles by their side characteristics.



26. \_\_\_\_\_

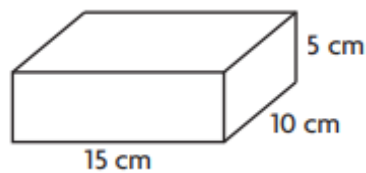


27. \_\_\_\_\_



28. \_\_\_\_\_

29. Kevin made a jewelry box with the following dimensions. What is the volume of the jewelry box? \_\_\_\_\_



**Add or subtract. Remember to simplify your answers to their lowest terms.**

30.  $\frac{3}{5} + \frac{1}{7} =$  \_\_\_\_\_

31.  $1\frac{2}{3} + 5\frac{7}{9} =$  \_\_\_\_\_

32.  $\frac{7}{8} - \frac{5}{6} =$  \_\_\_\_\_

33.  $12 - 4\frac{4}{5} =$  \_\_\_\_\_

**Multiply or Divide. Remember to use the reciprocal as your divisor and simplify your answers to their lowest terms.**

34.  $\frac{3}{4} \times \frac{8}{9} =$  \_\_\_\_\_

35.  $3\frac{3}{8} \times 2 =$  \_\_\_\_\_

36.  $6 \div \frac{1}{2} =$  \_\_\_\_\_

37.  $\frac{7}{8} \div \frac{3}{4} =$  \_\_\_\_\_

**Solve.**

38. On a lovely summer's day, Stacy and Lucy's lemonade stand made \$3.45 the first hour, \$2.70 the second hour, and \$4.25 the last hour they were open. How much money did the girls make before they closed for the day? \_\_\_\_\_

39. Sharon had a collection of 7 Barbie dolls. Her friend, Lydia, had 3 times as many. How many more dolls did Lydia have than Sharon? \_\_\_\_\_

40. Brent has a piece of rope that is  $6\frac{5}{6}$  feet long. He uses  $4\frac{1}{3}$  feet of the rope to hang a tire swing. How much rope does he have left? \_\_\_\_\_

41. The Brown family is driving the 2,231 miles to Florida. On Monday, they drive 679 miles. On Tuesday, they drive 824 miles. On Wednesday, they arrive in Florida. How many miles did the Browns drive on Wednesday? \_\_\_\_\_

42. Carla and her four friends were making necklaces to raise funds for a special charity event. If they were given 3,720 beads and each girl made the same amount of necklaces using 62 beads for each necklace, how many necklaces did each girl make? \_\_\_\_\_

43. At lunch, 8 friends share 6 sandwiches equally. What fraction of a sandwich does each friend get? \_\_\_\_\_

44. Lisa began doing her homework at 5:30p.m. If she spent 30 minutes on reading, 45 minutes on math, and 35 minutes on her science project, at what time did she finish her homework and what duration of time did she totally spend on her assignments.

Lisa finished at \_\_\_\_\_ and took \_\_\_\_\_ time to do her work.

45. If Lucas traveled 2 miles one way on his bike to visit his grandmother every day for a week, how many miles would he have peddled back and forth from his house to hers during that time? \_\_\_\_\_

46. The owner of a music store received a shipment of 1,532 CDs. The CDs came in 37 boxes. The same number of CDs were in 36 of the boxes. How many CDs were in the remaining box? \_\_\_\_\_

**Write true or false on the blank before each of the following statements about the mathematical properties of multiplication.**

47. \_\_\_\_\_  $\frac{4}{5} \times \frac{3}{7} = \frac{3}{7} \times \frac{4}{5}$  is an example of the Commutative Property.

48. \_\_\_\_\_ A model of the Identity Property would be  $4 \times 0 = 0 \times 4$ .

49. \_\_\_\_\_  $\left(1\frac{2}{5} \times 3\frac{7}{8}\right) \times 9 = \left(9 \times 3\frac{7}{8}\right) \times 1\frac{2}{5}$  shows the Associative Property.

50. \_\_\_\_\_ A demonstration of the Distributive Property would be  $2 \times 96 = 2 \times (90 + 6)$ .