

Name: _____

Date: _____

6th Honors Math

2026-2027 Summer Math Packet

Dear Students,

Attached you will find your summer math packet. This packet is a way for you to keep your math skills sharp over the summer and ready for September.

- Please make sure to follow the directions and show **ALL** work! You will not receive credit if your work is not shown. An important part of math is being able to show the process of how you arrive at an answer.
- Be neat and organized! Use all the paper you need and hand it in with your packet. Be sure your papers are labeled.
- Please box your final answers.
- Don't rush and check your work!

I look forward to seeing you all in September. Have a great summer!!

Mrs. Davis

Summer Honors Math Packet

Name: _____

A. All problems in the packet are complete.

Points: 10 8 6 4 2

B. Detailed work process is shown for each problem(use extra paper if needed).

Points: 10 8 6 4 2

C. Work is neat and organized.

Points: 5 4 3 2 1

D. Summer packet is handed in on time(the first day of school). One point will be deducted for each day the assignment is late.

Points: 5 4 3 2 1

Total Points Possible: 30

Points Earned: _____

Write the place of the underlined digit. Then write its value.

1. 5, 476, 807, 139

2. 9. 478

Write the word name for each number.

3. 12,025,617,809

4. 20,000,000

Align. Use rounding to estimate each number first. Then add **or** subtract.

5. 41,132 - 17,545

6. \$357.97 + \$689.80

Find the product.

7. 9
 x 300

8. 502
 x 305

Use rounding to estimate each number first. Then multiply.

9. $\begin{array}{r} \$2.81 \\ \times 340 \\ \hline \end{array}$

10. $\begin{array}{r} 742 \\ \times 343 \\ \hline \end{array}$

Estimate the sum using compatible numbers.

11. $23 + 19 + 24 + 17$

12. $\$32.54 + \$29.43 + \$30.21$

Write four related facts using the given numbers.

13. 6, 8, 48

Divide and check. There could be a remainder.

14. $372 \div 3$

15. $32,200 \div 34$

16. $39,719 \div 5$

Write whether the given number is divisible by 2, 3, 4, 5, 6, 9, and/or 10.

17. 6570

Use the order of operations to compute

18. $7 + (19 - 2) \times 3$

List all the factors of the number. Tell if the number is prime or composite.

19. 32

Use a factor tree to find the prime factorization of each. Use exponents when any factors repeat.

20. 128

Find the GCF of each set of numbers.

21. 16 and 48

Write the fraction in simplest form.

22. $\frac{18}{63}$

Find the LCM of the set of numbers. (Least Common Multiple)

23. 3, 4, and 9

Write the fraction as a mixed number in simplest form.

24. $\frac{37}{7}$

Estimate the sum using compatible numbers.

25. $0.93 + 1.1 + 1.08 + 0.9$

Use rounding to estimate each number first. Then find the product.

26. $\begin{array}{r} 9.2 \\ \times 39 \\ \hline \end{array}$

Find the product (REAL ANSWER).

27. $\begin{array}{r} 24.6 \\ \times 2.3 \\ \hline \end{array}$

28. 1.2×0.04

Divide and check.

29.

$$25.72 \div 4$$

30.

$$9.5 \div 5$$

Add. Then write each sum in **simplest form**.

31.

$$\frac{5}{7} + \frac{3}{4}$$

32.

$$\frac{1}{4} + \frac{3}{16} + \frac{2}{8} =$$

$$33. \quad 5\frac{1}{3} + 3\frac{1}{12} + 4\frac{1}{6} =$$

Subtract. Write the difference in simplest form.

34.

$$\frac{8}{15} - \frac{1}{3} =$$

$$35. \quad 7\frac{8}{9} - 5\frac{3}{4} =$$

$$36. \quad 10 + 3 \frac{2}{8} =$$

Multiply. Write each product in simplest form.

$$37. \quad \frac{2}{3} \times \frac{1}{3} =$$

$$38. \quad 15 \times \frac{9}{10} =$$

$$39. \quad \frac{3}{8} \times 1 \frac{5}{7} =$$

$$40. \quad 2 \frac{1}{3} \times 3 =$$

$$41. \quad 2 \frac{1}{3} \times 4 \frac{2}{3} =$$

$$42. \quad 6 \times \frac{1}{2} =$$

Divide.

$$43. \quad 12 \div \frac{2}{3} =$$

$$44. \quad 7 \div \frac{2}{5} =$$

$$45.$$

$$\frac{7}{8} \div \frac{1}{2} =$$

$$46. \quad 2\frac{1}{2} \div \frac{4}{9} =$$

$$47. \quad 2\frac{1}{5} \div 1\frac{1}{10} =$$

$$48. \quad 24\frac{5}{6} \div 4\frac{3}{4} =$$

Find the sum.

$$49. \quad 0.04 + 0.23 =$$

$$50. \quad 0.7 + 0.68 + 0.08 =$$

Find the difference.

51. $0.8 - 0.37 =$

52. $6.04 - 3.549 =$

53. $0.5 - 0.29 =$

Write whether each angle is acute, obtuse, right, or straight.

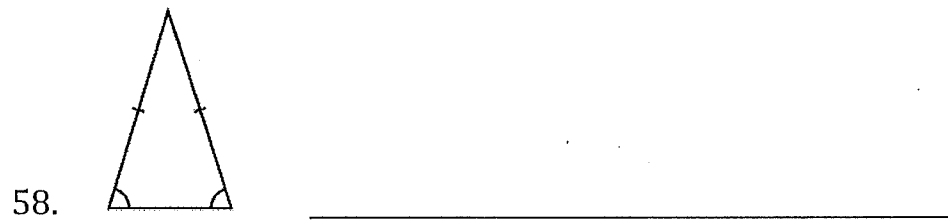
54. 130° _____

55. 15° _____

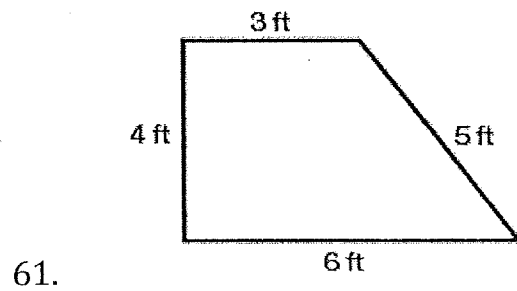
56. 180° _____

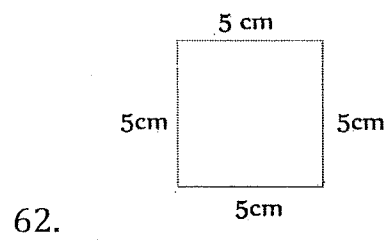
57. 90° _____

Classify each triangle as scalene, isosceles, or equilateral.

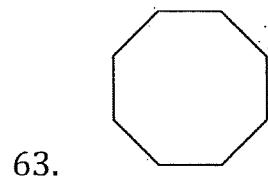


Find the perimeter of each polygon.





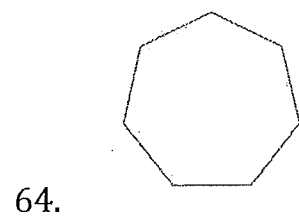
Write the number of sides, vertices, and angles.



Sides _____

Vertices _____

Angles _____



Sides _____

Vertices _____

Angles _____

Word Problems. SHOW ALL WORK! LOOK FOR KEY WORDS!

1. Three rivers form a river system and have lengths of 513 miles, 247 miles, and 397 miles. Altogether, how long are these rivers?

2. Jack made two stops during his 50- mile bike trip. He first stopped after 20 miles. His second stop was 15 miles before the end of the trip. How many miles did he travel between his first and second stops?

3. Ms. Chan bought 18 baskets of fruit at \$10.85 a basket. Did she spend more than \$200? Explain.

4. A machine produces 3360 clips in 8 minutes. How many clips does it produce in one minute?

