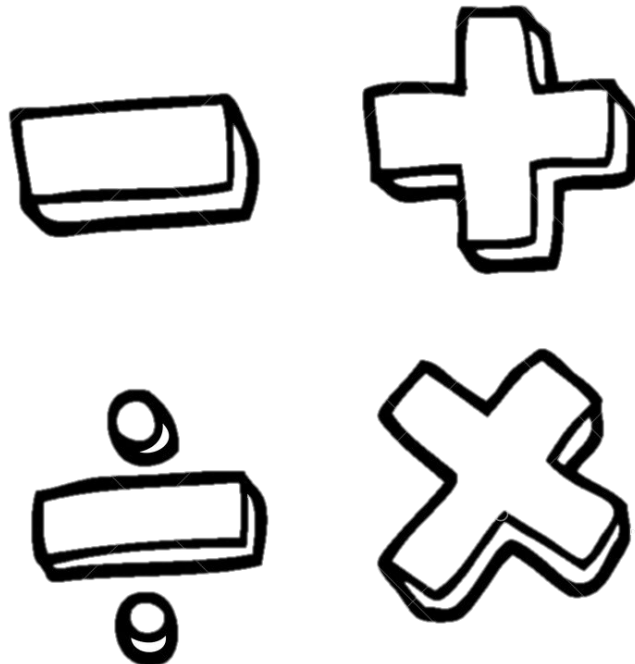


Name: _____

**6TH GRADE
SUMMER
MATH
PACKET**



Solve. Show all your work!

Use rounding to estimate. Then find the actual sum or difference.

1.
$$\begin{array}{r} 3.076 \\ 8.653 \\ + 9.047 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 37.45 \\ - 8.346 \\ \hline \end{array}$$

3. $6.794 - 2.305$

4. $0.4 + 0.79 + 2.05$

Use a factor tree to find the prime factorization of each number

5. 46

6. 36

7. 40

Find the quotient or product.

8. $n \times 4.38$ when $n = 4$

9. $n \div 4$ when $n = 1.22$

10. $0.19 \div n$ when $n = 5$

11.
$$\begin{array}{r} 86.9 \\ \times 4.3 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 43.51 \\ \times 705 \\ \hline \end{array}$$

13. 7×0.86

14. 28×2.352

15. $\$14.25 \div 57$

16. $47,208 \div 14$

17. $109,208 \div 36$

18. $\$51.66 \div 42$

Find the sum or difference. Rename mixed numbers in simplest form.

19. $\frac{2}{9} + \frac{3}{5} + \frac{7}{15} =$ _____

20. $3\frac{2}{3} + 7\frac{5}{9} =$ _____

21. $5\frac{1}{2} + 6\frac{2}{7} =$ _____

22. $\frac{7}{8} - \frac{1}{6} =$ _____

23. $\frac{9}{10} - \frac{7}{8} =$ _____

24. $9\frac{1}{3} - 4\frac{3}{8} =$ _____

Find the product in simplest form.

25. $\frac{5}{6} \times \frac{2}{5} =$ _____

26. $\frac{5}{8} \times 10 =$ _____

27. $16 \times \frac{3}{8} =$ _____

28. $18\frac{1}{12} \times \frac{3}{8} =$ _____

Divide. Write your answer in simplest form.

29. $\frac{4}{8} \div \frac{1}{6} =$ _____

30. $2\frac{1}{5} \div \frac{4}{15} =$ _____

31. $\frac{3}{4} \div 8 =$ _____

32. $4\frac{2}{7} \div 8 =$ _____

Solve.

33. $n \times 569$ when $n = 468$ _____

34. $705 \times n$ when $n = 398$ _____

35. $82 \times 8 + 64 \div (8 - 4)$ _____

36. $13 + 6 \times 7 - 5$ _____

37. At the end of the day, Lei has \$13.48. She spent \$3.45 for breakfast. She sold a used book for \$8.25. Then she spent \$11.95 on a CD. How much money did Lei have at the start of the day?

38. Each car carrier weighs 4.7 lb. Pedro ships 8 cat carriers to the rescue center. If he pays \$1.25 per pound for shipping, how much does it cost to ship all 8 cat carriers?

39. What was the hardest part of this packet for you?

40. What was the easiest part of this packet for you?

41. What are you most excited to learn about in math in 6th grade?

I can't wait to have a great year! See you in September!! :)