

Name _____ 6th Grade Math Teacher _____

Sutton Middle School Math Summer Packet for Rising 7th Grade Accelerated Math

We are really looking forward to meeting you in July! This packet is to give students a preview of what skills you will need for 7th/8thA Grade Math Curriculum. To see a full preview of the Units please look at the Curriculum Scope and sequence posted on the Sutton Middle School Summer Webpage.

Show all work for each problem in pencil. If you need to work out problems on a separate piece of paper, number your work and attach it to this packet. Do not use a calculator ☺

Show ALL work on a separate page and write the answers ONLY on this page. This will be your first grade in 7th grade so make sure you do your best work.

1. If the base of a rectangle is 17.4 cm and the area is 227.94 cm², what is the perimeter of the rectangle? _____
2. Find the value of the expression: $27 \div 3 + 4 \bullet 6$ _____
3. Find the value of the expression: $8(26 - 17) + 8$ _____

Evaluate the expressions if $j=3$, $k=9$, and $m=6$

4. $k^2 - jm$ _____

5. $\frac{km}{j}$ _____

6. $\frac{11}{24} \bullet \frac{8}{15} = x$ _____

7. $-24 \bullet \frac{5}{6} = x$ _____

8. $4\frac{4}{5} \bullet -3\frac{1}{3} = x$ _____

9. $28 \div \frac{2}{7} = x$ _____

10. $\frac{5}{16} \div \frac{-10}{11} = x$ _____

11. $7\frac{1}{7} \bullet 4\frac{1}{5} = x$ _____

12. Solve $3x - (-15) = 24$ $x =$ _____

13. $-3\frac{4}{9} + 1\frac{1}{15} = x$ _____

14. $15\frac{1}{2} - 1\frac{8}{9} = x$ _____

15. $7 + (-14) = x$ _____

16. Find 8% of 40. _____

17. Find 70% of 68. _____

18. Find 1.5% of 300. _____

19. $-47 - (-59)$ _____

20. $-22 + (-32)$ _____

21. $232 + (-433) - 121$ _____

22. $-5/8 + 3/9$ _____

Simplify

23. $-95ab - (-16ab)$ _____

24. $-32y + (-17y)$ _____

25. $-12f + (-9f)$ _____

26. $-76x - 24x$ _____

27. $-4y - 6 = 62$ _____

28. $7h + 17 = -39$ _____

29. $\frac{g}{6} = -72$ _____

30. $\frac{j}{-8} + 11 = 24$ _____

31. $\frac{d}{-3} + 7 = 19$ _____

32. $y + (-27) = 125$ _____

33. $-7t = -161$ _____

34. $\frac{b}{96} = \frac{5}{8}$ _____

35. $\frac{9}{12} = \frac{0.6}{c}$ _____

36. $\frac{v}{21} = \frac{4}{6}$ _____

37. Change $\frac{3}{8}$ to a decimal. _____

38. Change $\frac{1}{5}$ to a percent. _____

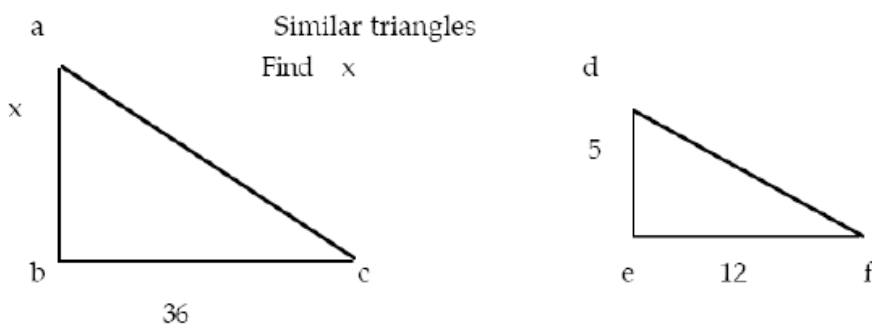
39. Find 39% of 500. _____

40. You see a pair of shorts for \$34.50 and a pair of shoes for \$28.99. The sales tax is 7%. You have \$70. Do you have enough to buy these items? How much do you have left over or how much are you short? _____

41. A yard of material sells for \$12. How much will $\frac{3}{4}$ of a yard cost? _____

42. To make 20 biscuits, Juanita uses 5 cups of flour to 1 cup of milk. If she uses 3 cups of milk, how many cups of flour will she use? _____
43. When 2,000 pounds of paper are recycled or reused, 17 trees are saved. How many trees are saved if 5,000 pounds of paper is recycled? _____
44. If 6 pounds of apples cost \$9, then how much would 21 pounds of apples cost?

45. The scale on a map is 1 inch equals 5 feet. What is the distance between two points on the map that are $8\frac{1}{2}$ inches apart? _____
46. Find the value of x: _____



47. Which is the better buy, 4 pounds of candy for \$2.72 or 6 pounds of candy for \$4.20?

48. You find a shirt that costs \$25. It is on sale for 20% off. You have to pay 7% sales tax after the discount. How much will this shirt cost you? _____
49. $-22 - -13 =$ _____
50. $-6 - 3 =$ _____
- Translate and then solve:
51. What is the absolute value of the sum of ten plus negative sixteen?

52. Six more than three times a number is negative 4 _____
Solve. Leave remainder in fraction form not a decimal.
53. $622 \div 5 =$ _____
54. $428 \div 12 =$ _____