

Name: _____

Date: _____ Period: _____

****No Calculator!!****

****Show all work****

Please complete each of the following showing all work. Please circle your final answer. No calculators are allowed.

Solve:

1. $10 = x + 3$

2. $12 = x - 5$

3. $10 = \frac{x}{6}$

4. $20 = 4x$

5. $4.56 + 83.2$

6. $78 - 3.875$

7. 5.67×4.9

8. $56 \div 0.02$

****No Calculator!!****

****Show all work****

Solve:

9. $10 = 3x + 4$

10. $30 = 4x - 2$

Simplify:

11. $3\frac{1}{8} + 5\frac{3}{5}$

12. $\frac{5}{8} - \frac{1}{4}$

13. $5\frac{1}{5} - 2\frac{5}{8}$

14. $\frac{7}{9} \times \frac{1}{3}$

15. $4\frac{2}{3} \times 2\frac{3}{7}$

16. $\frac{6}{5} \div 3$

****No Calculator!!****

****Show all work****

17. $6\frac{4}{5} \div 8\frac{1}{3}$

18. $-2 + -5$

19. $-9 + 12$

20. $10 - 15$

21. $-6 - (-4)$

22. -9×8

23. $-81 \div -3$

24. $-7 \times 9 - 8$

25. Determine whether 3 is a solution of the inequality $9x - 3 > 24$.

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Evaluate the given expression.

26. $\frac{(x+4)}{9}$ when $x = 23$

27. $(3x - 5)(y + 2)$

when $x = 3$ and $y = 2$

28. If you jog 300 feet per minute, how many feet will you jog in one hour?

29. A football field is 110 meters long and 49 meters wide. How many square meters of artificial turf are needed to cover the field?

30. A car traveled for two hours at a constant speed of 65 mph. How far did the car travel?

31. Estimate $2001 \div 49$.

****No Calculator!!****

****Show all work****

32. Round 3.9619 to the nearest hundredth.

33. Write 0.625 as a fraction.

Write as a ratio in lowest terms:

34. 20 g to 50 g

35. 7 cm to 1 m

36. 8 in to 2 ft

37. What is 35% of 64?

38. $\frac{4}{5}$ of 72 is what number?

****No Calculator!!****

****Show all work****

39. 6 is what percent of 120?

40. 3 is 12% of what number?

Simplify:

41. $7 + 9 \times 8 - 3^2$

42. $6^2 + 5(8 - 11)$

43. Write the decimals in order from least to greatest.

3.08, 3.0, 3.006, 3.0068, 3.7 _____, _____, _____, _____, _____

44. Joyce correctly answered 15 out of 20 questions on her French test. What percent did she answer correctly?

Solve

45. $\frac{x}{12} = \frac{5}{18}$

****No Calculator!!****

****Show all work****