

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Questions

1. Evaluate: $3 + 4 \times 2$
2. Evaluate: $(3 + 4) \times 2$
3. Evaluate: $6 + 2^3$
4. Evaluate: $2 \times 3^2 + 4$
5. Evaluate: $5 + 6 \div 2$
6. Evaluate: $(5 + 6) \div 2$
7. Evaluate: $4^2 - 3 \times 2$
8. Evaluate: $(4^2 - 3) \times 2$
9. Evaluate: $7 + 3 \times (2 + 1)$
10. Evaluate: $(7 + 3) \times (2 + 1)$
11. Worked example: Show steps and evaluate $3 \times (4 + 2^2)$
12. Evaluate: $2^4 \div 2^2$
13. Evaluate: $3^3 - 5 \times 2$
14. Evaluate: $2 \times (5^2 - 3^2)$
15. Evaluate: $10 - 2^3 + 1$
16. Evaluate: $(2 + 3)^2$
17. Evaluate: $2^3 \times 3$
18. Evaluate: $4 \times 2^3 \div 8$
19. Evaluate: $9 + 3^2 \times 2$
20. Evaluate: $(9 + 3)^2$
21. Word problem: Lily bought 3 packs. Each pack has 4 boxes and each box has 2 markers. How many markers in all? (Write and evaluate an expression.)
22. Word problem: A rectangle has length $(2 + 3)$ and width 4. What is its area?
23. Word problem: You earn 5 points for a coin and 2 points for a star. You collect 3 coins and 4 stars. How many points?
24. Word problem: A baker bakes 2^3 trays with 6 muffins on each tray. How many muffins total?
25. Word problem: A store buys 4 boxes. Each box contains $(3 + 2)$ notebooks. Each notebook costs \$2. What is the total cost?
26. Word problem: Sarah reads 2 chapters per day for $(3 + 2)$ days. How many chapters does she read?
27. Word problem: A car travels 30 miles per hour. How far in $(2 + 1)$ hours?
28. Word problem: A factory makes 3^2 toys per hour for 4 hours. How many toys?
29. Word problem: Each box of candy weighs $\frac{1}{2}$ kg. There are 6 boxes. Total weight?

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30. Word problem: Mia scored 2^3 points on test 1 and 3^2 points on test 2. What is the difference between her test scores?
31. Compare: Which is greater, 2^5 or 5^2 ?
32. Compare: Which is greater, 3^4 or 4^3 ?
33. Compare: Which is greater, 2^6 or 6^2 ?
34. Compare: Which is greater, 5^3 or 3^5 ?
35. Compare: Which is greater, $2^3 \times 3$ or $3^3 \times 2$?
36. Compare: Which is larger, $4^2 + 2$ or $2^4 + 4$?
37. $\frac{\text{True}}{\text{False}}$: $2^3 + 2^3 = 2 \times 2^3$
38. Compare: Which is greater, 10^2 or $(2 \times 10)^1$?
39. Compare: Which is greater, 7^2 or 2^7 ?
40. $\frac{\text{True}}{\text{False}}$: $4^3 = (4^2) \times 4$
41. Evaluate: $(\frac{1}{2})^2 + 3$ (give answer as a fraction and as a decimal)
42. Evaluate: $3 \times (\frac{1}{3})^2$
43. Evaluate: $(\frac{2}{3})^2 \times 9$
44. Evaluate: $2^2 + (\frac{1}{2})^3$ (give answer as fraction and decimal)
45. Evaluate: $(3^2) \div (\frac{1}{3})$
46. Evaluate: $5 + [2 \times (3^2 + 1)]$
47. Evaluate: $\{2 \times [3 + (2^3 \div 4)]\}$
48. Evaluate: $(4 + 1)^3 \div 5$
49. Evaluate: $(\frac{1}{2})^3 \times 8 + 2$
50. Worked example: Show steps and evaluate $6 + 2 \times (3^2 - (1 + 1))$