



Math Worksheet for 5th Grade

Multi-digit multiplication

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. $34 \times 27 =$
2. List the partial products when multiplying 156×34 (area model).
3. $78 \times 46 =$
4. List the partial products when multiplying 432×25 .
5. $307 \times 42 =$
6. $1,204 \times 30 =$
7. $(200 + 40 + 7) \times (30 + 6) =$
8. $689 \times 24 =$
9. List the four box products for 56×78 (50 & 6 by 70 & 8).
10. $3,012 \times 14 =$
11. $342 \times 7 =$
12. $4,205 \times 6 =$
13. $825 \times 9 =$
14. $1,609 \times 8 =$
15. $2,347 \times 5 =$
16. $5,012 \times 3 =$
17. $423 \times 12 =$
18. $789 \times 15 =$
19. $1,234 \times 11 =$
20. $2,501 \times 14 =$
21. $678 \times 13 =$
22. $956 \times 18 =$
23. $1,111 \times 12 =$
24. $3,205 \times 17 =$
25. $4,006 \times 19 =$
26. Give the standard-algorithm partial products for 243×56 .
27. $243 \times 56 =$
28. True or False: $365 \times 24 = 8,760$.
29. For 814×32 : $814 \times 30 =$ _____ and $814 \times 2 =$ _____ ; total = _____.
30. For $1,005 \times 23$: list the two partial products and the final product.
31. $6,742 \times 23 =$
32. List the two partial products used in the standard algorithm for $6,742 \times 23$.



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33. Using area model $(6,000 + 700 + 40 + 2) \times (20 + 3)$, list all eight box products and their sum for $6,742 \times 23$.
34. In the standard algorithm for $6,742 \times 23$, what are the two multiplication rows before adding? (Give the numbers before shifting.)
35. Estimate $6,742 \times 23$ by rounding 6,742 to 7,000 and 23 to 20. What is the estimate?
36. Is the exact product $6,742 \times 23$ greater than or less than the estimate from Q35?
37. $6,742 \times 3 =$
38. $6,742 \times 20 =$
39. Find the missing addend: $\underline{\hspace{2cm}} + 134,840 = 155,066$.
40. $155,066 \div 23 =$
41. $87 \times 64 =$
42. $999 \times 23 =$
43. $1,250 \times 24 =$
44. $3,600 \times 23 =$
45. $5,432 \times 21 =$
46. $6,742 \times 30 =$
47. $6,742 \times 2 =$
48. $(6,000 + 700 + 40 + 2) \times 3 =$
49. Compute by place value: $6,000 \times 23 + 700 \times 23 + 40 \times 23 + 2 \times 23 =$
50. What is the ones digit of $6,742 \times 23$?