



Math Worksheet for 5th Grade

Multiplying decimals strategies

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Estimating decimal multiplication (rounding to the nearest whole number)

1. Estimate 3.6×2.8 to the nearest whole number.
2. Estimate 7.4×1.9 to the nearest whole number.
3. Estimate 5.2×4.7 to the nearest whole number.
4. Estimate 0.9×3.3 to the nearest whole number.
5. Estimate 2.6×2.6 to the nearest whole number.
6. Estimate 0.48×0.33 to the nearest whole number.
7. Estimate 6.1×2.4 to the nearest whole number.
8. Estimate 8.7×0.6 to the nearest whole number.
9. Estimate 3.25×3.75 to the nearest whole number.
10. Estimate 4.49×5.51 to the nearest whole number.

Developing strategies for multiplying decimals (exact products)

11. $4.2 \times 3 =$
12. $6 \times 0.5 =$
13. $0.4 \times 0.3 =$
14. $2.5 \times 0.4 =$
15. $0.75 \times 2 =$
16. $3.6 \times 0.2 =$
17. $7.25 \times 4 =$
18. $0.08 \times 5 =$
19. $9 \times 0.09 =$
20. $12.5 \times 0.8 =$

Decimal multiplication with grids (products often less than 1)

21. $0.7 \times 0.5 =$
22. $0.6 \times 0.4 =$
23. $0.3 \times 0.25 =$
24. $0.9 \times 0.2 =$
25. $0.45 \times 0.5 =$
26. $0.2 \times 0.2 =$
27. $0.8 \times 0.75 =$
28. $0.12 \times 0.5 =$
29. $0.33 \times 0.3 =$



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30. $0.04 \times 0.6 =$

Understanding decimal multiplication (comparisons and missing factors)

31. Calculate 0.8×0.6 .

32. Calculate 0.8×0.9 .

33. Find the missing factor: $0.5 \times ? = 2.5$

34. Find the missing factor: $? \times 0.25 = 1.5$

35. True or false: $3 \times 0.2 = 0.6$

36. $0.05 \times 20 =$

37. $1.2 \times 0.5 =$

38. $2.4 \times 0.25 =$

39. Calculate 0.6×0.6 and 0.6×0.9 . Which is larger?

40. $5 \times 0.02 =$

Multiplying decimals using estimation (estimate to the nearest tenth)

41. Estimate 4.68×1.27 to the nearest tenth.

42. Estimate 0.49×0.62 to the nearest tenth.

43. Estimate 7.99×3.02 to the nearest tenth.

44. Estimate 2.34×4.56 to the nearest tenth.

45. Estimate 0.87×5.14 to the nearest tenth.

46. Estimate 6.25×0.49 to the nearest tenth.

47. Estimate 0.33×9.78 to the nearest tenth.

48. Estimate 3.141×2.9 to the nearest tenth.

49. Estimate 0.025×4.8 to the nearest tenth.

50. Estimate 1.66×1.66 to the nearest tenth.