



Math Worksheet for 5th Grade

Multi-digit multiplication estimation

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Questions

1. 37×10
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2. 482×100
3. $6,203 \times 1,000$
4. 250×30
5. $4,005 \times 200$
6. $89 \times 1,000$
7. $7,320 \times 50$
8. $12,004 \times 100$
9. $3,450 \times 600$
10. $1,209 \times 40$
11. Estimate 478×36 by rounding both numbers to the nearest ten.
12. Estimate $3,987 \times 52$ by rounding both numbers to the nearest ten.
13. Use front-end estimation (leading digits only) to estimate $6,412 \times 39$.
14. Use compatible numbers to estimate 249×48 (choose numbers that make the multiplication easier).
15. Estimate $8,364 \times 27$ by rounding $8,364$ to the nearest hundred and 27 to the nearest ten.
16. Estimate 57×299 by rounding the second factor to a friendly number.
17. Estimate $1,245 \times 68$ by rounding both numbers to the nearest ten.
18. Estimate $4,999 \times 201$ by rounding to friendly numbers.
19. Round 372 to the nearest ten and 49 to the nearest ten. Use these rounded values to estimate 372×49 .
20. Estimate $9,876 \times 5$ by rounding $9,876$ to the nearest thousand.
21. Estimate $2,345 \times 7$ by rounding $2,345$ to the nearest hundred.
22. Estimate $14,678 \times 32$ by rounding the first to the nearest hundred and the second to the nearest ten.
23. Use front-end estimation (leading digits: thousands and tens) for $3,254 \times 68$.
24. Estimate $7,501 \times 99$ by replacing 99 with a friendly number.
25. Estimate $65 \times 1,002$ by replacing $1,002$ with a friendly number.
26. $320 \times 1,200$ (use strategies for multiplying multiples of $\frac{10}{100}$).
27. $4,500 \times 3,000$
28. 125×40
29. $8,075 \times 90$
30. Estimate $3,321 \times 4,998$ by rounding one factor to a friendly number.



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31. A truck carries 30 boxes with 240 screws each. How many screws are on the truck? (Use multiplication strategies for multiples of 10.)
32. A factory makes 4,000 toys each day. Estimate how many toys it makes in 90 days.
33. A library has about 3,487 books on each shelf and 12 shelves. Estimate the total number of books by rounding 3,487 to the nearest hundred and 12 to a friendly number.
34. A farmer has rows of trees with 40 trees per row and about 675 rows. Estimate how many trees (round 675 first).
35. A bookstore sells packs of 24 notebooks and orders 2,000 packs. Estimate the total number of notebooks.
36. A stadium holds 18,345 people and hosts about 26 events. Estimate total attendance by rounding appropriately (to thousands and tens).
37. A charity packs 999 meals per crate and orders 75 crates. Estimate total meals by rounding 999 to a friendly number.
38. On a road trip you travel 248 miles each day for 7 days. Estimate the total distance by rounding the daily miles to a friendly number.
39. A farmer has about 3,210 apple trees and expects about 200 apples per tree. Estimate the total apples by rounding appropriately.
40. A school orders 1,250 rulers for 48 classrooms. Estimate how many rulers are ordered by rounding both numbers.
41. A package weighs 6,075 grams and a shipment has 300 packages. Estimate the total weight by rounding the package weight to a friendly number.
42. A baker makes 125 cookies per batch and plans to make 4,000 batches during the holidays. Estimate the total cookies.
43. A factory produces 8,999 light bulbs per day for 21 days. Estimate the total bulbs by rounding one factor.
44. Each class gets 375 pencils and there are 24 classes. Estimate the total pencils using rounding.
45. A company ships 1,000 kg per truck and ships about 345 trucks in a month. Estimate the total kilograms shipped by rounding the number of trucks.
46. A store sells 45 laptops per day. Estimate how many laptops the store would sell in 1,000 days.
47. Bags contain 2,500 beans each. If a market orders 18 bags, how many beans (use multiplication of multiples of $\frac{10}{100}$)?
48. A fundraiser sells cookies in boxes of 24 and expects to sell about 3,500 boxes. Estimate the number of cookies.
49. A phone company has 12,345 subscribers. If each pays \$10 per month, estimate the monthly income by rounding the number of subscribers.
50. A warehouse stores 4,005 crates. Each crate holds 1,000 items. Estimate the total items by rounding the number of crates.