Name Date

1. Estimate the product first. Solve by using the standard algorithm. Use your estimate to check the reasonableness of the product.

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| --- | --- | --- |
| 1. 312 × 149

 ≈ 300 × 100 = 30,000 3 1 2 ×  1 4 9 | 1. 743 × 295
 | 1. 428 × 637
 |
| 1. 691 × 305
 | 1. 4,208 × 606
 | 1. 3,068 × 523
 |
| 1. 430 × 3,064
 | 1. 3,007 × 502
 | 1. 254 × 6,104
 |

1. When multiplying 1,729 times 308, Clayton got a product of 53,253. Without calculating, does his product seem reasonable? Explain your thinking.
2. A publisher prints 1,912 copies of a book in each print run. If they print 305 runs, the manager wants to know about how many books will be printed. What is a reasonable estimate?