Name	Date
Name	Date

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

reasonableness of the product.		
a. 312 × 149 ≈ 300 × 100 = 30,000 312 × 149	b. 743 × 295	c. 428 × 637
d. 691 × 305	e. 4,208 × 606	f. 3,068 × 523
g. 430 × 3,064	h. 3,007 × 502	i. 254 × 6,104



Lesson 8:

Fluently multiply multi-digit whole numbers using the standard algorithm and using estimation to check for reasonableness of the product.



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2. When multiplying 1,729 times 308, Clayton got a product of 53,253. Without calculating, does his product seem reasonable? Explain your thinking.

3. 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?



Lesson 8:

Fluently multiply multi-digit whole numbers using the standard algorithm and using estimation to check for reasonableness of the product.



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