

Estimating Products and Quotients

Estimate each answer using rounding.

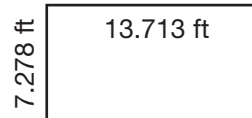
1. 3.48×9.673 _____ 2. 5.702×4.26 _____ 3. 9.734×6.8 _____
 4. 8.37×2.501 _____ 5. 7.936×2.491 _____ 6. 5.092×3.774 _____
 7. 12.123×4.802 _____ 8. 6.98×8.502 _____ 9. 1.948×3.728 _____

Estimate each answer using compatible numbers.

10. $19.18 \div 3.7$ _____ 11. $14.9 \div 8.432$ _____ 12. $31.047 \div 4.492$ _____
 13. $16.07 \div 4.989$ _____ 14. $46.614 \div 9.01$ _____ 15. $61.503 \div 8.041$ _____
 16. $73.196 \div 11.513$ _____ 17. $123.82 \div 25.937$ _____ 18. $86.431 \div 6.722$ _____

19. **Number Sense** An airliner is 9.34 feet wide. The airline wants to install 5 seats in each row. The seats are each 1.46 feet wide. Rounded to the nearest tenth, about how much space would be left for the aisle? _____

20. **Geometry** Estimate the area of the rectangle. _____



21. **Writing to Explain** The library has a bookshelf 46.725 inches wide for their new encyclopedia. When the encyclopedia arrived, the librarian found that each of the 24 volumes was 1.65 inches wide. Estimate if the 24 books will fit on the shelf. How does your rounding affect the answer?

22. **Algebra** Dominick wants to buy 2 CDs for \$14.95 each, 3 DVDs for \$19.99 each, and a video game for \$36.79. Which equation could you use to estimate how much money he needs?

- A $15 + 20 + 26 = x$ C $2(15) + 3(20) + 37 = x$
 B $2(14) + 3(20) + 36 = x$ D $2(15) + 3(19) + 36 = x$