Name

Estimating Quotients

Example

Find 413 ÷ 7.

Change the dividend to a number that is close to 413 that you can divide easily by 7. Use basic facts to help you.

Think: 420 ÷ 7 = 60

So, 413 ÷ 7 is about 60.

Estimate each quotient. Tell the numbers you used. Answers may vary.

1. 75 ÷ 4 =

2. 41 ÷ 2 =

3. 824 ÷ 9 =

4. 465 ÷ 9 =

5. 230 ÷ 7 =

6. 637 ÷ 7 =

7. 56 ÷ 3 =

8. 181 ÷ 6 =

9. 414 ÷ 7 =

10. 564 ÷ 6 =

11. 729 ÷ 8 =

12. 311 ÷ 5 =

13. 247 ÷ 4 =

14. 255 ÷ 8 =

15. 607 ÷ 3 =

16. 596 ÷ 3 =

17. 795 ÷ 2 =

18. 82 ÷ 4 =

Estimating Quotients (continued)

19. 277 ÷ 7 =   **20.** 89 ÷ 3 =   **21.** 159 ÷ 4 =

_____   _____   _____

22. 6)117   **23.** 2)81   **24.** 6)552

_____   _____   _____

25. Algebra What number would you divide 63 by
to equal about 20?   _____

26. Mr. Hernandez is boxing up textbooks. He has 147 books
in 5 boxes. Estimate how many books are in each box.

_____

27. A manufacturer is packaging CD players. If 8 CD players fill
a box, about how many boxes will be filled by 327
CD players?

_____

Test Prep Choose the correct letter for each answer.

28. Estimate 219 ÷ 4.

   A 50   **B** 500   **C** 40   **D** 400

29. Mrs. Marquardt wants to rearrange the seats in the
cafeteria. She has 8 rows of chairs but wants to move
them into 9 rows. There are 464 chairs. Estimate how
many chairs she should put into each row.

   F 60   **G** 50   **H** 600   **J** 500