

# Estimation in Division - Advanced Division Strategies

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4th Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1. Estimate  $98 \div 7$  by rounding to the nearest ten. What is the estimated quotient?

2. Estimate  $146 \div 6$  by rounding to the nearest ten. What is the estimated quotient?

3. A farmer has 175 apples. He wants to pack them into boxes with 25 apples each. How many boxes will he need? (Estimate)

\_\_\_\_\_

4. There are 256 students in a school. If each class has about 32 students, how many classes are there? (Estimate)

\_\_\_\_\_

5. Estimate which is greater:  $145 \div 4$ :

5

or

125

6. What is the estimated quotient when rounding  $231 \div 9$  to the nearest ten? \_\_\_\_\_

7. Estimation can help check the accuracy of division problems. True or False?

True  False

8. If Jenny has 345 marbles and shares them equally among 5 friends, how many marbles will each friend get? (Estimate)

\_\_\_\_\_

9. Estimate  $432 \div 8$  by rounding to the nearest ten. What is the estimated quotient?

10. A baker made 640 cookies. He wants to pack them into boxes of 40. How many boxes will he have? (Estimate)

\_\_\_\_\_

11. Which is a better estimate for  $275 \div 5$ : ?:

50

or

60

12. Estimate the quotient of  $489 \div 6$ . Round to the nearest ten:

\_\_\_\_\_

13. Rounding can make division problems easier to solve. True or False?

True  False

14. A teacher has 450 crayons and wants to divide them into packs of 15. How many packs will she have? (Estimate)

\_\_\_\_\_

15. Estimate  $625 \div 5$  by rounding to the nearest ten. What is the estimated quotient?

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**Answer Key**

1. 14 2. 24 3. 7 4. 8 5.  $145 \div 5$  6. 25 7. True 8. 70 9. 50 10. 16 11. 60 12. 80 13. True 14. 30 15. 120