

Lesson 5.5 ~ Estimating Products and Quotients

Name _____ Period _____ Date _____

Estimate each product or quotient using compatible numbers.

1. $\frac{1}{3} \times 14$

2. $4\frac{1}{3} \times 6\frac{5}{6}$

3. $22\frac{1}{4} \div 3\frac{1}{8}$

4. $9\frac{6}{7} \times 3\frac{2}{3}$

5. $53\frac{4}{9} \div 8\frac{7}{10}$

6. $\frac{2}{5} \times 24$

7. Kevin shot 43 baskets from the three-point range. He made about $\frac{2}{3}$ of his shots. About how many baskets did Kevin make?

8. $71\frac{1}{8} \div 8\frac{5}{7}$

9. $14\frac{2}{3} \times 4\frac{1}{8}$

10. $\frac{1}{3} \times 46$

11. $5\frac{1}{6} \times 4\frac{9}{10}$

12. $\frac{1}{7} \times 55$

13. $63\frac{1}{4} \div 15\frac{5}{9}$

14. Roger needed $10\frac{1}{4}$ pints of water to fill each bucket. He had $3\frac{1}{8}$ buckets left to fill. Approximately how many more pints of water will he need to fill these buckets?

15. $19\frac{2}{5} \div 4\frac{9}{11}$

16. $\frac{1}{6} \times 47$

17. $7\frac{2}{9} \times 3\frac{1}{15}$

18. $70\frac{1}{2} \div 1\frac{9}{10}$

19. $6\frac{2}{3} \times 6\frac{1}{3}$

20. $17\frac{3}{4} \div 2\frac{7}{8}$

21. Margaret has a book that is $149\frac{1}{6}$ pages long. She has to take a test on it in $4\frac{3}{4}$ days. Estimate how many pages Margaret should read each day in order to finish the book in time.