

Study Guide - Topic 4 - Key!

1. $720 \div 8 = \underline{90}$

2. $4,200 \div 6 = \underline{700}$

3. $36 \div 3 = \underline{12}$

4. $63,000 \div 9 = \underline{7,000}$

Use rounding or compatible numbers to estimate each quotients.

Sample answers

5. $317 \div 7 =$
 $\underline{300} \div 7 = \underline{50}$

6. $695 \div 7 =$
 $\underline{700} \div 7 = \underline{100}$

7. $700 \div 9 =$
 $\underline{720} \div 9 = \underline{80}$

8. $310 \div 5 =$
 $\underline{300} \div 5 = \underline{60}$

Tell if the answer is reasonable. Explain why or why not.

9. If Mrs. Miller needs to order buses for a field trip for 164 kids, and each bus seats 30 students, can she order 5 buses? Answer is not reasonable because $30 \times 5 = 150$ kids and 164 kids - 150 = 14 kids that will not be on the bus. Answer should be 6 buses.

Find the quotients

10. $9 \overline{) 240}$
 $\underline{-18}$
 60
 $\underline{-54}$
 6

11. $8 \overline{) 616}$
 $\underline{-56}$
 56
 $\underline{-56}$
 0

12. $5 \overline{) 413}$
 $\underline{-5}$
 11
 $\underline{-10}$
 13
 $\underline{-10}$
 3

$$13. \quad 7 \overline{) 644} \\ \underline{-63} \\ 14 \\ \underline{-14} \\ 0$$

$$14. \quad 3 \overline{) 170} R2 \\ \underline{-3} \\ 21 \\ \underline{-21} \\ 02 \\ \underline{-0} \\ 2$$

$$15. \quad 4 \overline{) 816} \\ \underline{-8} \\ 01 \\ \underline{-0} \\ 16 \\ \underline{-16} \\ 0$$

$$16. \quad 8 \overline{) 56} \\ \underline{-40} \\ 16 \\ \underline{-16} \\ 0$$

$$17. \quad 7 \overline{) 110} R6 \\ \underline{-7} \\ 07 \\ \underline{-7} \\ 06 \\ \underline{-0} \\ 6$$

$$18. \quad 3 \overline{) 208} \\ \underline{-6} \\ 02 \\ \underline{-0} \\ 24 \\ \underline{-24} \\ 0$$

Write an equation and solve.

19. There are 7 players on each team. If there are 175 total players at the tournament, how many teams are there?

$$175 \div 7 = 25 \\ \text{teams}$$

$$7 \overline{) 175} \\ \underline{-14} \\ 35 \\ \underline{-35} \\ 0$$

20. Bob bought a collection of 856 baseball cards for \$40. If only 8 cards can fit on one page of an album, how many pages will Bob have to buy?

$$856 \div 8 = 107 \text{ pages}$$

$$8 \overline{) 856} \\ \underline{-8} \\ 05 \\ \underline{-0} \\ 56 \\ \underline{-56} \\ 0$$