

Division

Skill 5 - 7A

Estimate Quotients using Compatible Numbers

Test Question 1.

$897 \div 32$	Round the dividend and divisor to find compatible numbers. 900 and 30 are compatible since $9 \div 3 = 3$ $900 \div 30$	Divide. $900 \div 30 = 30$ Remember, to make it easier to divide you can cross out the same number of zero's in the dividend and divisor and then divide. $9\cancel{0}0 \div 3\cancel{0}$ $90 \div 3 = 30$
---------------	--	--

Test Question 2.

$13,425 \div 58$	Round to find compatible numbers. 12,000 and 60 are compatible since $12 \div 6 = 2$ $12,000 \div 60$	Divide. $12,000 \div 60 = 200$
------------------	---	---------------------------------------

Estimate quotients using compatible numbers.

1. $1,238 \div 23$

2. $3,429 \div 12$

3. $1,478 \div 53$

4. $3,685 \div 53$

5. $48,367 \div 78$

6. $17,675 \div 88$

7. $795 \div 82$

8. $58,963 \div 64$

9. $547 \div 62$

Division
Skill 5 - 7A

Estimate Quotients using Compatible Numbers**Directions:** Estimate quotients using compatible numbers.

10. $22,645 \div 73$

11. $39,836 \div 79$

12. $15,608 \div 82$

13. $456 \div 54$

14. $14,807 \div 32$

15. $23,115 \div 79$

16. $33,862 \div 81$

17. $48,512 \div 58$

18. $26,359 \div 54$

19. $33,498 \div 43$

20. $44,365 \div 62$

21. $39,035 \div 48$

22. $16,411 \div 79$

23. $26,255 \div 54$

24. $82,748 \div 92$

Answer Key 5-7A

1. $1,238 \div 23$ $1,200 \div 20 = 60$	2. $3,429 \div 12$ $3,500 \div 10 = 350$	3. $1,478 \div 53$ $1,500 \div 50 = 30$	4. $3,685 \div 53$ $3,500 \div 50 = 70$
5. $48,367 \div 78$ $48,000 \div 80 = 600$	6. $17,675 \div 88$ $18,000 \div 90 = 200$	7. $795 \div 82$ $800 \div 80 = 10$	8. $58,963 \div 64$ $60,000 \div 60 = 1000$
9. $547 \div 62$ $600 \div 60 = 10$	10. $22,645 \div 73$ $21,000 \div 70 = 300$	11. $39,836 \div 79$ $40,000 \div 80 = 500$	12. $15,608 \div 82$ $16,000 \div 80 = 200$
13. $456 \div 54$ $500 \div 50 = 10$	14. $14,807 \div 32$ $15,000 \div 30 = 500$	15. $23,115 \div 79$ $24,000 \div 80 = 300$	16. $33,862 \div 81$ $32,000 \div 80 = 400$
17. $48,512 \div 58$ $48,000 \div 60 = 800$	18. $26,359 \div 54$ $25,000 \div 50 = 500$	19. $33,498 \div 43$ $32,000 \div 40 = 800$	20. $44,365 \div 62$ $42,000 \div 60 = 700$
21. $39,035 \div 48$ $40,000 \div 50 = 800$	22. $16,411 \div 79$ $16,000 \div 80 = 200$	23. $26,255 \div 54$ $25,000 \div 50 = 500$	24. $82,748 \div 92$ $81,000 \div 90 = 900$