Division
Skill 5 - 6A

Estimate Quotients using Compatible Numbers

Answers to test question 6A.

385 ÷ 6 is about 60	4,425 ÷ 5 is about 900

Estimate quotients. Use compatible numbers.

385 ÷ 6 Find a compatible number for 6 that is close to 38. Multiples of 6 are 6, 12, 18, 24, 30, 36, and 42. 36 is close to 38.	**385 ÷ 6** ↓ ↓ **360 ÷ 6 = 60**	385 ÷ 6 is about 60.

Begin on number 3. Problems 1 and 2 are examples that may help.

1. 1,758 ÷ 4 16 is a multiple of 4 and is close to 17. 16 ÷ 4 = 4 1600 ÷ 4 = 400 1,758 ÷ 4 is about 400	**2.** 40,365 ÷ 7 42 is a multiple of 7 and is close to 40. 42 ÷ 7 = 6 42,000 ÷ 7 = 6,000 40,365 ÷ 7 is about 6,000	**3.** 132 ÷ 4	**4.** 4,684 ÷ 6

5. 3,175 ÷ 5	**6.** 348 ÷ 7	**7.** 250 ÷ 6
8. 31,618 ÷ 5	**9.** 23,673 ÷ 4	**10.** 228 ÷ 3
11. 34,208 ÷ 6	**12.** 3,359 ÷ 8	**13.** 15,618 ÷ 8

Division
Skill 5 - 6A

Estimate Quotiens using Compatible Numbers

Directions: Estimate the quotients using compatible numbers.

14. 22,640 ÷ 7	**15.** 48,512 ÷ 7	**16.** 17,548 ÷ 6
17. 82,016 ÷ 9	**18.** 55,365 ÷ 6	**19.** 11,035 ÷ 4
20. 25,907 ÷ 3	**21.** 1,642,351 ÷ 5	**22.** 62,411 ÷ 8
23. 29,195 ÷ 5	**24.** 15,832 ÷ 8	**25.** 225 ÷ 7

Answer Key
Skill 5 - 6A

1. 1,758 ÷ 4 16 is a multiple of 4 and is close to 17. 16 ÷ 4 = 4 1600 ÷ 4 = 400 1,758 ÷ 4 is about 400	**2.** 40,365 ÷ 7 42 is a multiple of 7 and is close to 40. 42 ÷ 7 = 6 42,000 ÷ 7 = 6,000 40,365 ÷ 7 is about 6,000	**3.** 132 ÷ 4 12 is a multiple of 4 close to 13. 12 ÷ 4 = 3 120 ÷ 4 = 30 132 ÷ 4 is about 30	**4.** 4,684 ÷ 6 48 is a multiple of 6 close to 46. 48 ÷ 6 = 8 4,800 ÷ 6 = 800 4,684 ÷ 6 is about 800

5. 3,175 ÷ 5 30 ÷ 5 = 6 3,000 ÷ 5 = 600 3,175 ÷ 5 is about 600	**6.** 348 ÷ 7 35 ÷ 7 = 5 350 ÷ 7 = 50 348 ÷ 7 is about 50	**7.** 250 ÷ 6 24 ÷ 6 = 4 240 ÷ 6 = 40 250 ÷ 6 is about 40
8. 31,618 ÷ 5 30 ÷ 5 = 6 30,000 ÷ 5 = 6,000 31,618 ÷ 5 is about 6,000	**9.** 23,673 ÷ 4 24 ÷ 4 = 6 24,000 ÷ 4 = 6,000 23,673 ÷ 4 is about 6,000	**10.** 228 ÷ 3 21 ÷ 3 = 7 210 ÷ 3 = 70 228 ÷ 3 is about 70
11. 34,208 ÷ 6 36 ÷ 6 = 6 36,000 ÷ 6 = 6,000 34,208 ÷ 6 is about 6,000	**12.** 3,359 ÷ 8 32 ÷ 8 = 4 3,200 ÷ 8 = 400 3,359 ÷ 8 is about 400	**13.** 15,618 ÷ 8 16 ÷ 8 = 2 16,000 ÷ 8 = 2,000 15,618 ÷ 8 is about 2,000
14. 22,460 ÷ 7 21 ÷ 7 = 3 21,000 ÷ 7 = 3,000 22,460 ÷ 7 is about 3,000	**15.** 48,512 ÷ 7 49 ÷ 7 = 7 49,000 ÷ 7 = 7,000 48,512 ÷ 7 is about 7,000	**16.** 17,548 ÷ 6 18 ÷ 6 = 3 18,000 ÷ 6 = 3,000 17,548 ÷ 6 is about 3,000
17. 82,016 ÷ 9 81 ÷ 9 = 9 81,000 ÷ 9 = 9,000 82,016 ÷ 9 is about 9,000	**18.** 55,365 ÷ 6 54 ÷ 6 = 9 54,000 ÷ 6 = 9,000 55,365 ÷ 6 is about 9,000	**19.** 11,035 ÷ 4 12 ÷ 4 = 3 12,000 ÷ 4 = 3,000 11,035 ÷ 4 is about 3,000
20. 25,907 ÷ 3 27 ÷ 3 = 9 27,000 ÷ 3 = 9,000 25,907 ÷ 3 is about 9,000	**21.** 1,642,351 ÷ 5 15 ÷ 5 = 3 1,500,000 ÷ 5 = 3,000,000 1,642,351, ÷ 5 is about 3,000,000	**22.** 62,411 ÷ 8 64 ÷ 8 = 8 64,000 ÷ 8 = 8,000 62,411 ÷ 8 is about 8,000
23. 29,195 ÷ 5 28 ÷ 7 = 4 28,000 ÷ 7 = 4,000 29,195 ÷ 7 is about 4,000	**24.** 15,832 ÷ 8 16 ÷ 8 = 2 16,000 ÷ 8 = 2,000 15,832 ÷ 8 is about 2,000	**25.** 225 ÷ 7 21 ÷ 7 = 3 210 ÷ 7 = 30 225 ÷ 7 is about 30