Cotuz

Name: _____ Date: _____

Dividing Fractions by Fractions

Grade 6 · Ages 11-12 · Math · Fractions · ★☆

Divide. To divide by a fraction, multiply by its reciprocal: 3/4 ÷ 1/2 = 3/4 × 2/1. Write each answer in simplest form on the line; an answer bigger than 1 can be a mixed number.

1. 1/5 ÷ 1/6 = _____

2. 2/5 ÷ 1/2 = _____

3. 3/5 ÷ 5/6 = _____

4. 5/6 ÷ 1/3 = _____

5. 3/5 ÷ 1/5 = _____

6. 5/6 ÷ 4/5 = _____

7. 2/3 ÷ 1/6 = _____

8. 2/3 ÷ 5/6 = _____

9. 3/4 ÷ 1/4 = _____

10. 2/5 ÷ 1/5 = _____

11. 5/7 ÷ 3/4 = _____

12. 2/5 ÷ 3/7 = _____

13. 4/5 ÷ 1/6 = _____

14. 3/5 ÷ 7/10 = _____

15. 5/8 ÷ 4/9 = _____

16. 5/9 ÷ 3/4 = _____

17. 1/10 ÷ 1/4 = _____

18. 1/8 ÷ 9/10 = _____

19. 8/9 ÷ 1/10 = _____

20. 8/9 ÷ 5/6 = _____

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ANSWER KEY

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1. 1/5 ÷ 1/6 = **6/5 = 1 1/5**

2. 2/5 ÷ 1/2 = **4/5**

3. 3/5 ÷ 5/6 = **18/25**

4. 5/6 ÷ 1/3 = **15/6 = 2 1/2**

5. 3/5 ÷ 1/5 = **15/5 = 3**

6. 5/6 ÷ 4/5 = **25/24 = 1 1/24**

7. 2/3 ÷ 1/6 = **12/3 = 4**

8. 2/3 ÷ 5/6 = **12/15 = 4/5**

9. 3/4 ÷ 1/4 = **12/4 = 3**

10. 2/5 ÷ 1/5 = **10/5 = 2**

11. 5/7 ÷ 3/4 = **20/21**

12. 2/5 ÷ 3/7 = **14/15**

13. 4/5 ÷ 1/6 = **24/5 = 4 4/5**

14. 3/5 ÷ 7/10 = **30/35 = 6/7**

15. 5/8 ÷ 4/9 = **45/32 = 1 13/32**

16. 5/9 ÷ 3/4 = **20/27**

17. 1/10 ÷ 1/4 = **4/10 = 2/5**

18. 1/8 ÷ 9/10 = **10/72 = 5/36**

19. 8/9 ÷ 1/10 = **80/9 = 8 8/9**

20. 8/9 ÷ 5/6 = **48/45 = 1 1/15**