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 ÷ 4/5 = _____

2. 1/5 ÷ 1/2 = _____

3. 2/3 ÷ 3/4 = _____

4. 1/5 ÷ 3/4 = _____

5. 5/6 ÷ 2/3 = _____

6. 1/6 ÷ 2/5 = _____

7. 2/5 ÷ 1/4 = _____

8. 2/3 ÷ 2/5 = _____

9. 1/2 ÷ 3/4 = _____

10. 3/4 ÷ 1/2 = _____

11. 3/7 ÷ 3/5 = _____

12. 1/2 ÷ 1/7 = _____

13. 4/7 ÷ 1/10 = _____

14. 1/9 ÷ 7/8 = _____

15. 2/3 ÷ 1/4 = _____

16. 1/2 ÷ 5/8 = _____

17. 1/10 ÷ 4/9 = _____

18. 1/8 ÷ 1/5 = _____

19. 1/8 ÷ 1/7 = _____

20. 1/4 ÷ 1/7 = _____

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ANSWER KEY

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1. 1/5 ÷ 4/5 = **5/20 = 1/4**

2. 1/5 ÷ 1/2 = **2/5**

3. 2/3 ÷ 3/4 = **8/9**

4. 1/5 ÷ 3/4 = **4/15**

5. 5/6 ÷ 2/3 = **15/12 = 1 1/4**

6. 1/6 ÷ 2/5 = **5/12**

7. 2/5 ÷ 1/4 = **8/5 = 1 3/5**

8. 2/3 ÷ 2/5 = **10/6 = 1 2/3**

9. 1/2 ÷ 3/4 = **4/6 = 2/3**

10. 3/4 ÷ 1/2 = **6/4 = 1 1/2**

11. 3/7 ÷ 3/5 = **15/21 = 5/7**

12. 1/2 ÷ 1/7 = **7/2 = 3 1/2**

13. 4/7 ÷ 1/10 = **40/7 = 5 5/7**

14. 1/9 ÷ 7/8 = **8/63**

15. 2/3 ÷ 1/4 = **8/3 = 2 2/3**

16. 1/2 ÷ 5/8 = **8/10 = 4/5**

17. 1/10 ÷ 4/9 = **9/40**

18. 1/8 ÷ 1/5 = **5/8**

19. 1/8 ÷ 1/7 = **7/8**

20. 1/4 ÷ 1/7 = **7/4 = 1 3/4**