

DIVIDING FRACTIONS

REMEMBER:

First, change the dividend to a fraction. Next, change the divisor to its reciprocal. Then multiply the fractions.

EXAMPLES

$$1\frac{1}{2} \div \frac{1}{3}$$

↓ ↓

$$\frac{3}{2} \times \frac{3}{1} = \frac{9}{2} = 4\frac{1}{2}$$

$$6 \div \frac{2}{3}$$

↓ ↓

$$\frac{6}{1} \div \frac{3}{2} = \frac{9}{1} = 9$$

Divide. Simplify your answer.

1. $2\frac{1}{4} \div \frac{1}{3} = \underline{\hspace{2cm}}$

2. $1\frac{1}{5} \div \frac{2}{3} = \underline{\hspace{2cm}}$

3. $3\frac{1}{5} \div \frac{4}{7} = \underline{\hspace{2cm}}$

4. $4\frac{1}{2} \div \frac{3}{4} = \underline{\hspace{2cm}}$

5. $6 \div \frac{3}{4} = \underline{\hspace{2cm}}$

6. $8 \div \frac{6}{7} = \underline{\hspace{2cm}}$

7. $9 \div \frac{7}{8} = \underline{\hspace{2cm}}$

8. $18 \div \frac{5}{4} = \underline{\hspace{2cm}}$

9. $5\frac{1}{3} \div \frac{4}{5} = \underline{\hspace{2cm}}$

10. $16 \div \frac{10}{11} = \underline{\hspace{2cm}}$

11. $1\frac{7}{12} \div \frac{2}{3} = \underline{\hspace{2cm}}$

12. $10 \div \frac{15}{16} = \underline{\hspace{2cm}}$

13. $3\frac{3}{4} \div \frac{7}{12} = \underline{\hspace{2cm}}$

14. $1\frac{3}{8} \div \frac{3}{4} = \underline{\hspace{2cm}}$

15. $9 \div \frac{5}{16} = \underline{\hspace{2cm}}$

16. $2\frac{5}{8} \div \frac{3}{4} = \underline{\hspace{2cm}}$

17. $4\frac{1}{5} \div \frac{7}{8} = \underline{\hspace{2cm}}$

18. $8 \div \frac{6}{11} = \underline{\hspace{2cm}}$

19. $6\frac{2}{3} \div \frac{5}{8} = \underline{\hspace{2cm}}$

20. $8\frac{2}{3} \div \frac{5}{6} = \underline{\hspace{2cm}}$

21. $14 \div \frac{16}{17} = \underline{\hspace{2cm}}$

22. $7\frac{1}{2} \div \frac{5}{6} = \underline{\hspace{2cm}}$

23. $3\frac{2}{3} \div \frac{2}{3} = \underline{\hspace{2cm}}$

24. $10 \div \frac{8}{13} = \underline{\hspace{2cm}}$

DIVIDING MIXED NUMBERS

REMEMBER:

First, change both numbers to fractions. Next, change the divisor to its reciprocal. Then multiply the fractions.

EXAMPLES

$1\frac{1}{2} \div 2\frac{1}{3}$	$6 \div 3\frac{3}{7}$	$\frac{3}{8} \div 1\frac{3}{8}$
\downarrow	\downarrow	\downarrow
$\frac{3}{2} \div \frac{7}{3}$	$\frac{6}{1} \div \frac{24}{7}$	$\frac{3}{8} \div \frac{11}{8}$
\downarrow	\downarrow	\downarrow
$\frac{3}{2} \times \frac{3}{7} = \frac{9}{14}$	$\frac{6}{1} \times \frac{7}{24} = \frac{7}{4} = 1\frac{3}{4}$	$\frac{3}{8} \times \frac{8}{11} = \frac{3}{11}$

Divide. Simplify your answer.

1. $2\frac{2}{3} \div 3\frac{1}{3} = \underline{\hspace{2cm}}$

2. $4\frac{1}{2} \div 5\frac{1}{4} = \underline{\hspace{2cm}}$

3. $2\frac{1}{2} \div 3\frac{1}{3} = \underline{\hspace{2cm}}$

4. $5\frac{1}{3} \div 3\frac{2}{3} = \underline{\hspace{2cm}}$

5. $1 \div 8\frac{3}{4} = \underline{\hspace{2cm}}$

6. $7 \div 4\frac{9}{10} = \underline{\hspace{2cm}}$

7. $15 \div 2\frac{1}{7} = \underline{\hspace{2cm}}$

8. $5 \div 6\frac{2}{3} = \underline{\hspace{2cm}}$

9. $\frac{1}{2} \div 2\frac{2}{3} = \underline{\hspace{2cm}}$

10. $\frac{2}{3} \div 2\frac{1}{5} = \underline{\hspace{2cm}}$

11. $\frac{1}{7} \div \frac{3}{14} = \underline{\hspace{2cm}}$

12. $\frac{4}{5} \div 6\frac{2}{5} = \underline{\hspace{2cm}}$

13. $6\frac{3}{4} \div 1\frac{1}{3} = \underline{\hspace{2cm}}$

14. $12 \div 5\frac{2}{3} = \underline{\hspace{2cm}}$

15. $3\frac{3}{4} \div 1\frac{1}{4} = \underline{\hspace{2cm}}$

16. $\frac{7}{9} \div 1\frac{13}{15} = \underline{\hspace{2cm}}$

17. $2\frac{5}{8} \div 2\frac{1}{4} = \underline{\hspace{2cm}}$

18. $9 \div 4\frac{1}{8} = \underline{\hspace{2cm}}$

19. $7\frac{1}{2} \div 3\frac{1}{3} = \underline{\hspace{2cm}}$

20. $\frac{11}{12} \div 6\frac{1}{9} = \underline{\hspace{2cm}}$