

Arithmetic – Dividing Fractions

Information:

These questions have been inspired by the KS2 Arithmetic test to help your children practise specific question types. Questions of this style also appear on the 2016 sample Arithmetic paper (question 36), the 2016 Arithmetic test (question 33), the 2017 Arithmetic Test (questions 27 and 28) and the 2018 Arithmetic test (question 31).

National Curriculum Objectives:

Mathematics Year 6: (6F5b) [Divide proper fractions by whole numbers \[for example, \$\frac{1}{3} \div 2 = \frac{1}{6}\$ \]](#)

Differentiation:

Beginner Dividing simple unitary fractions by 2, 3, 4 or 5. Aimed at Year 6 Emerging.

Easy Dividing a non-unitary fraction by a single-digit. Aimed at Year 6 Developing.

Tricky Dividing non-unitary fractions by a single-digit or by a unitary fraction with the same denominator (whole answers). Aimed at Year 6 Expected.

Expert Dividing fractions by a fraction. Aimed at Year 6 Greater Depth.

More [Arithmetic](#) resources.

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Arithmetic – Dividing Fractions

1

$$\frac{5}{6} \div 5 =$$

2

$$\frac{2}{10} \div 2 =$$

3

$$\frac{3}{8} \div 3 =$$

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4

$$\frac{2}{8} \div 2 =$$

5

$$\frac{4}{5} \div 4 =$$

6

$$\frac{5}{10} \div 5 =$$

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7

$$\frac{3}{9} \div 3 =$$

8

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

9

$$\frac{4}{10} \div 4 =$$

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10

$$\frac{3}{5} \div 3 =$$

11

$$\frac{4}{6} \div 4 =$$

12

$$\frac{2}{7} \div 2 =$$

Arithmetic – Dividing Fractions

1

$$\frac{1}{5} \div 2 =$$

2

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

3

$$\frac{1}{2} \div 4 =$$

Arithmetic – Dividing Fractions

4

$$\frac{1}{5} \div 5 =$$

5

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

6

$$\frac{1}{8} \div 4 =$$

Arithmetic – Dividing Fractions

7

$$\frac{1}{2} \div 5 =$$

8

$$\frac{1}{10} \div 3 =$$

9

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

Arithmetic – Dividing Fractions

10

$$\frac{1}{5} \div 2 =$$

11

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

12

$$\frac{1}{4} \div 2 =$$

Arithmetic – Dividing Fractions

1

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

2

$$\frac{7}{8} \div \frac{1}{8} =$$

3

$$\frac{3}{4} \div 5 =$$

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4

$$\frac{2}{5} \div 2 =$$

5

$$\frac{7}{10} \div 2 =$$

6

$$\frac{3}{5} \div \frac{1}{5} =$$

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7

$$\frac{4}{5} \div \frac{1}{5} =$$

8

$$\frac{5}{8} \div 3 =$$

9

$$\frac{9}{10} \div 2 =$$

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10

$$\frac{6}{7} \div 3 =$$

11

$$\frac{5}{6} \div \frac{1}{6} =$$

12

$$\frac{7}{10} \div 4 =$$

Arithmetic – Dividing Fractions

1

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

2

$$\frac{3}{5} \div \frac{1}{4} =$$

3

$$\frac{1}{3} \div \frac{1}{10} =$$

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4

$$\frac{3}{4} \div \frac{4}{5} =$$

5

$$\frac{2}{7} \div \frac{2}{3} =$$

6

$$\frac{4}{5} \div \frac{1}{3} =$$

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7

$$\frac{3}{10} \div \frac{2}{5} =$$

8

$$\frac{3}{7} \div \frac{4}{5} =$$

9

$$\frac{1}{6} \div \frac{8}{9} =$$

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10

$$\frac{6}{7} \div \frac{2}{3} =$$

11

$$\frac{4}{5} \div \frac{3}{4} =$$

12

$$\frac{3}{4} \div \frac{1}{10} =$$

Arithmetic – Dividing Fractions

Beginner

1. $\frac{1}{6}$

4. $\frac{1}{8}$

7. $\frac{1}{9}$

10. $\frac{1}{5}$

2. $\frac{1}{10}$

5. $\frac{1}{5}$

8. $\frac{1}{3}$

11. $\frac{1}{6}$

3. $\frac{1}{8}$

6. $\frac{1}{10}$

9. $\frac{1}{10}$

12. $\frac{1}{7}$

Easy

1. $\frac{1}{10}$

4. $\frac{1}{25}$

7. $\frac{1}{10}$

10. $\frac{1}{10}$

2. $\frac{1}{18}$

5. $\frac{1}{6}$

8. $\frac{1}{30}$

11. $\frac{1}{18}$

3. $\frac{1}{8}$

6. $\frac{1}{32}$

9. $\frac{1}{9}$

12. $\frac{1}{8}$

Tricky

1. $\frac{2}{9}$

4. $\frac{2}{10}$

7. 4

10. $\frac{2}{7}$

2. 7

5. $\frac{7}{20}$

8. $\frac{5}{24}$

11. 5

3. $\frac{3}{20}$

6. 3

9. $\frac{9}{20}$

12. $\frac{7}{40}$

Expert

1. $\frac{4}{3}$ or $1\frac{1}{3}$

4. $\frac{15}{16}$

7. $\frac{15}{20}$ or $\frac{3}{4}$

10. $\frac{9}{7}$ or $1\frac{2}{7}$

2. $\frac{12}{5}$ or $2\frac{2}{5}$

5. $\frac{3}{7}$

8. $\frac{15}{28}$

11. $\frac{16}{15}$ or $1\frac{1}{15}$

3. $\frac{10}{3}$ or $3\frac{1}{3}$

6. $\frac{12}{5}$ or $2\frac{2}{5}$

9. $\frac{9}{48}$ or $\frac{3}{16}$

12. $\frac{30}{4}$ or $7\frac{1}{2}$