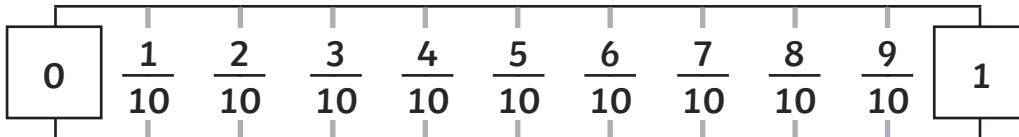
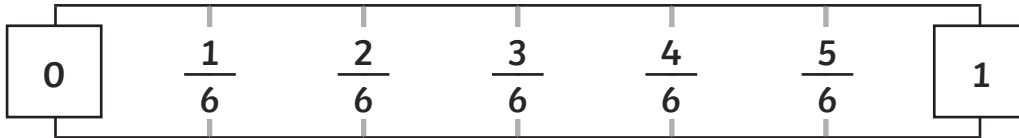
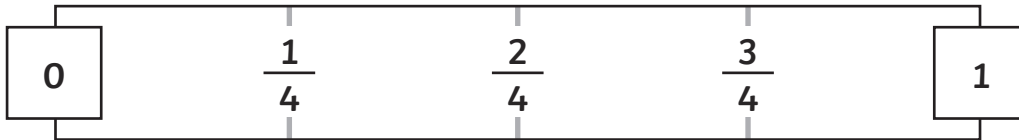
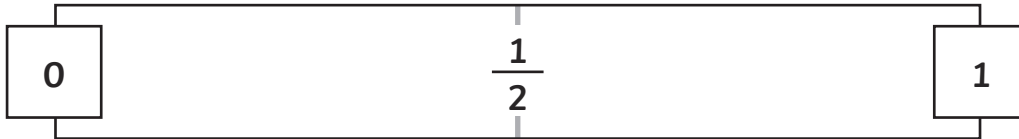


# Equivalent Fractions

Using the fraction lines on the left, work out the equivalent fractions:



1.  $\frac{1}{2} = \frac{\square}{6}$

2.  $\frac{2}{3} = \frac{\square}{6}$

3.  $\frac{1}{5} = \frac{\square}{10}$

4.  $\frac{1}{3} = \frac{\square}{6}$

5.  $\frac{1}{2} = \frac{\square}{6}$

6.  $\frac{4}{5} = \frac{\square}{10}$

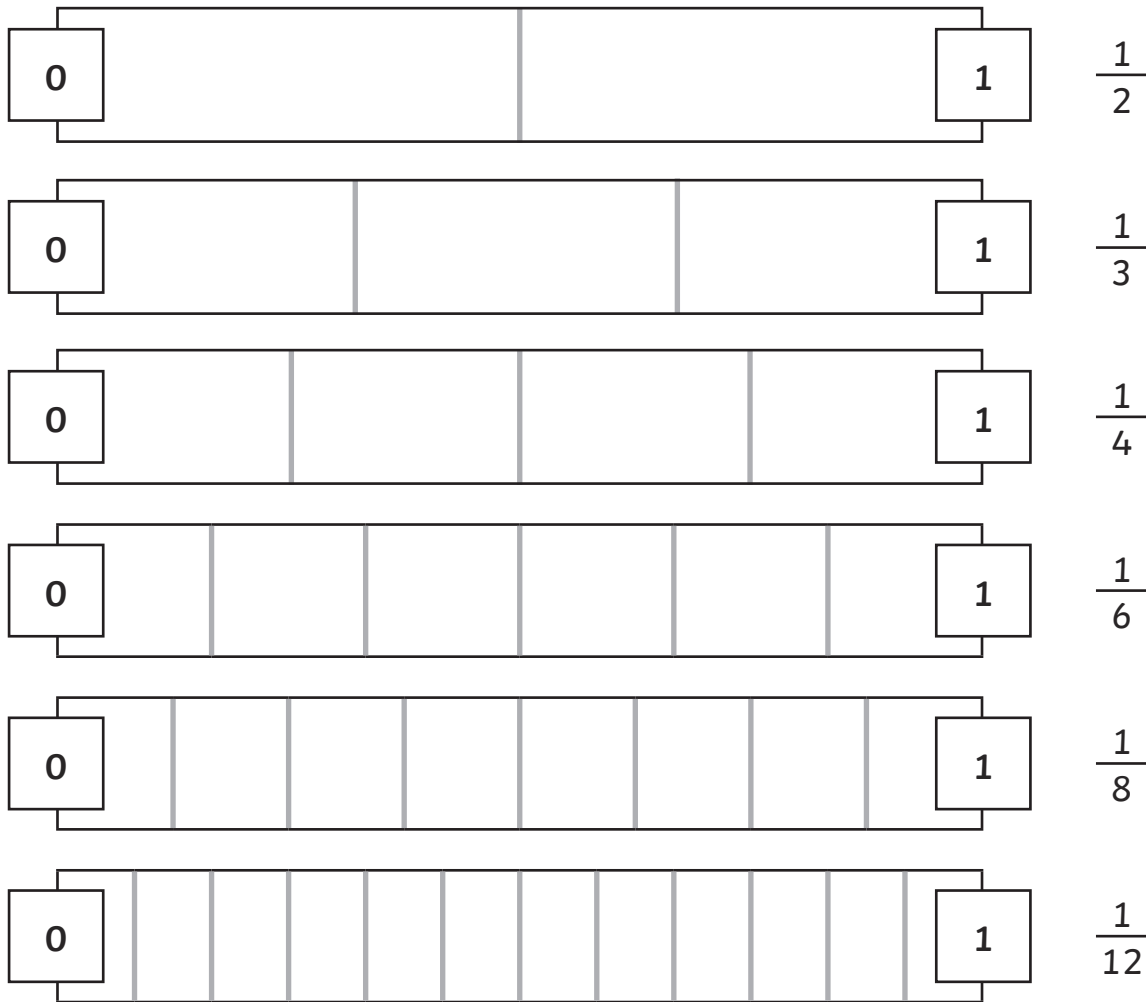
7.  $\frac{4}{10} = \frac{\square}{5}$

8.  $\frac{3}{5} = \frac{\square}{10}$



# Equivalent Fractions

First, divide each line according to the denominator shown. Then, use each fraction line to find the equivalent fractions.



1.  $\frac{6}{12} = \frac{\square}{2}$

2.  $\frac{3}{\square} = \frac{1}{4}$

3.  $\frac{2}{\square} = \frac{4}{12}$

4.  $\frac{\square}{4} = \frac{6}{8}$

5.  $\frac{4}{\square} = \frac{1}{3}$

6.  $\frac{5}{6} = \frac{10}{\square}$

7.  $\frac{2}{3} = \frac{8}{\square}$

8.  $\frac{1}{\square} = \frac{2}{12}$

## Challenge:

Using what you've learnt about the equivalence between the fractions above, can you work out these equivalent fractions?

9.  $\frac{1}{3} = \frac{\square}{9}$

10.  $\frac{7}{8} = \frac{\square}{16}$

11.  $\frac{5}{12} = \frac{10}{\square}$

12.  $\frac{2}{3} = \frac{\square}{9}$

# Equivalent Fractions

Work out these equivalent fractions:

1.  $\frac{2}{3} = \frac{\square}{6}$

2.  $\frac{4}{\square} = \frac{2}{4}$

3.  $\frac{1}{5} = \frac{4}{\square}$

4.  $\frac{1}{4} = \frac{\square}{12}$

5.  $\frac{4}{\square} = \frac{8}{12}$

6.  $\frac{2}{\square} = \frac{1}{6}$

In your own words, explain how to find an equivalent fraction.

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Now, work out these equivalent fractions:

7.  $\frac{6}{\square} = \frac{2}{3}$

8.  $\frac{\square}{16} = \frac{3}{8}$

9.  $\frac{5}{6} = \frac{\square}{24}$

10.  $\frac{\square}{8} = \frac{14}{56}$

11.  $\frac{4}{7} = \frac{\square}{28}$

12.  $\frac{9}{13} = \frac{45}{\square}$

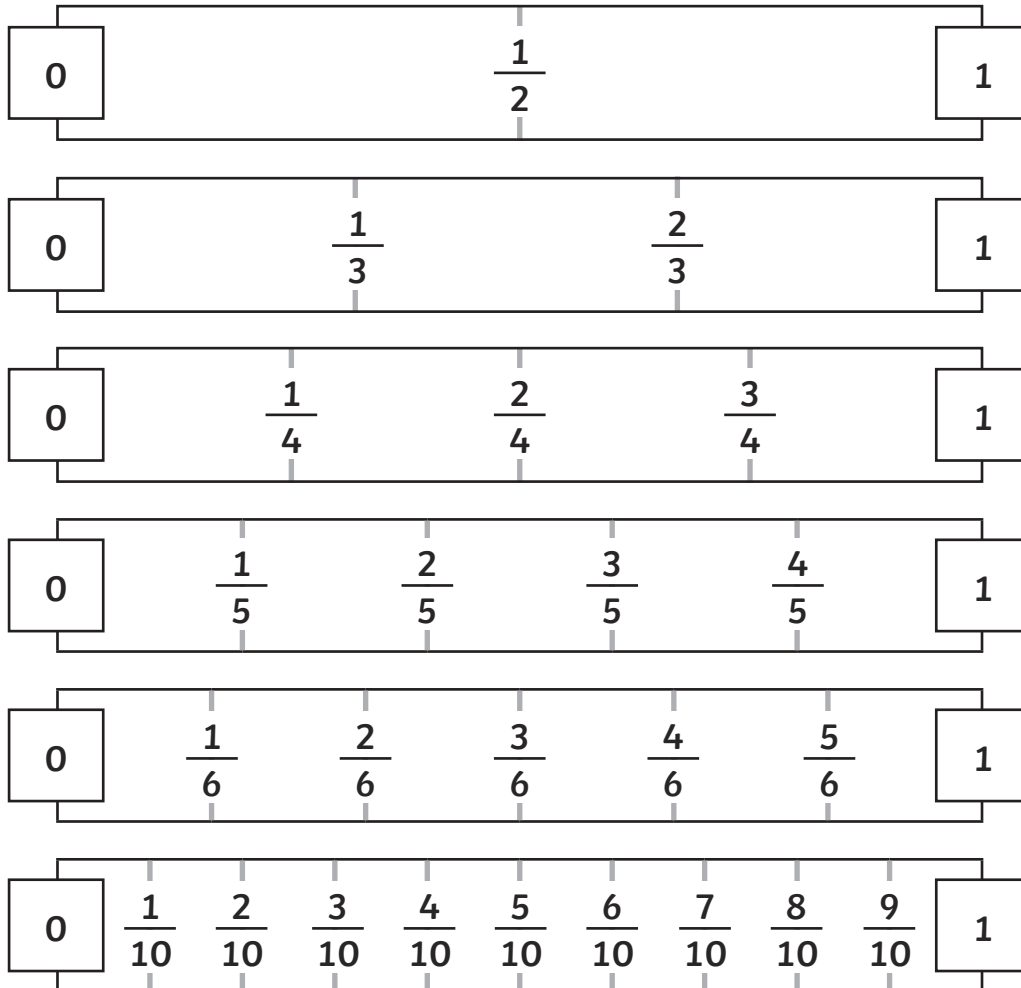
Sam says that  $\frac{2}{3}$  is equivalent to  $\frac{3}{9}$ . Is he correct? Explain your answer.

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# Equivalent Fractions Answers



1.  $\frac{1}{2} = \frac{3}{6}$

2.  $\frac{2}{3} = \frac{4}{6}$

3.  $\frac{1}{5} = \frac{2}{10}$

4.  $\frac{1}{3} = \frac{2}{6}$

5.  $\frac{1}{2} = \frac{3}{6}$

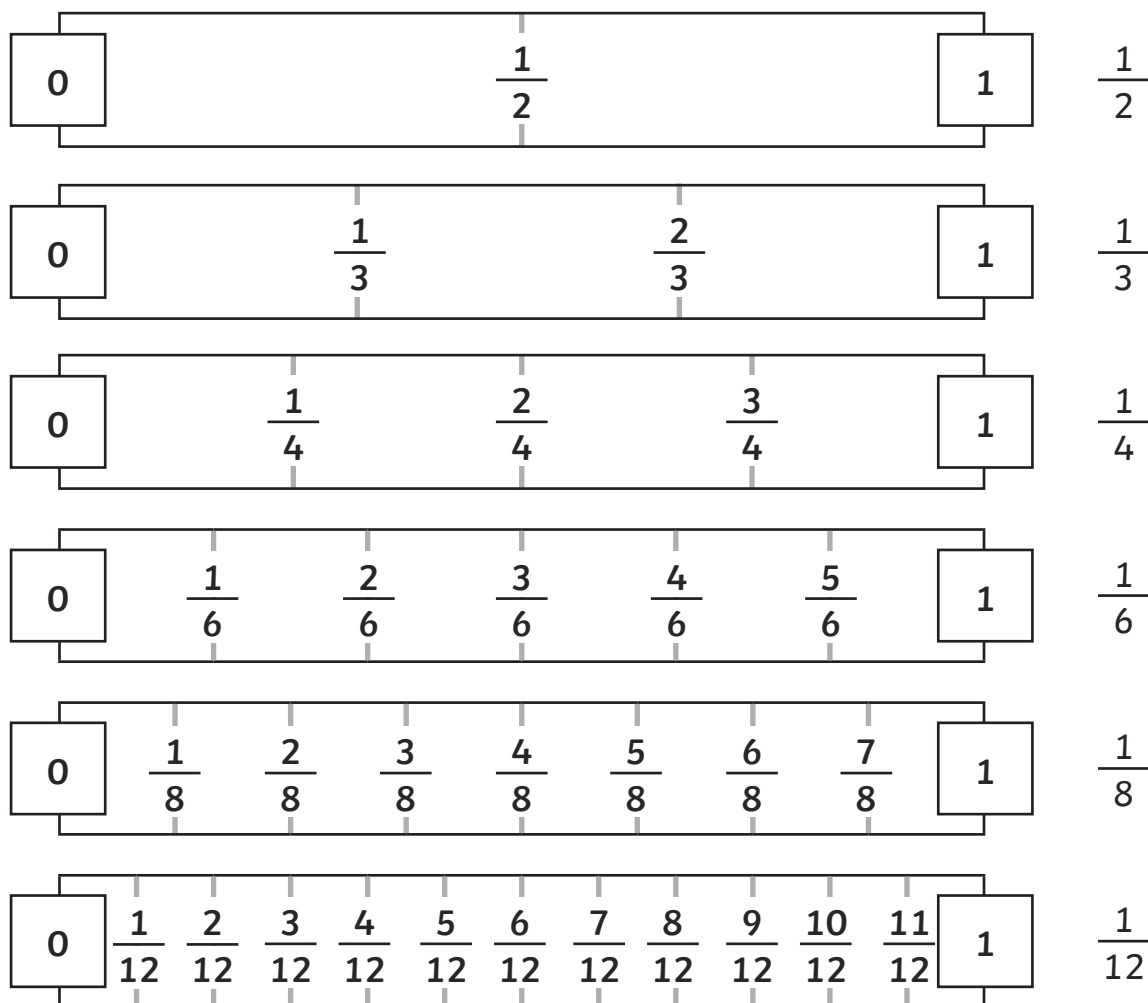
6.  $\frac{4}{5} = \frac{8}{10}$

7.  $\frac{4}{10} = \frac{2}{5}$

8.  $\frac{3}{5} = \frac{6}{10}$



# Equivalent Fractions Answers



$$1. \frac{6}{12} = \frac{1}{2}$$

$$2. \frac{3}{12} = \frac{1}{4}$$

$$3. \frac{2}{6} = \frac{4}{12}$$

$$4. \frac{3}{4} = \frac{6}{8}$$

$$5. \frac{4}{12} = \frac{1}{3}$$

$$6. \frac{5}{6} = \frac{10}{12}$$

$$7. \frac{2}{3} = \frac{8}{12}$$

$$8. \frac{1}{6} = \frac{2}{12}$$

## Challenge:

Using what you've learnt about the equivalence between the fractions above, can you work out these equivalent fractions?

$$9. \frac{1}{3} = \frac{3}{9}$$

$$10. \frac{7}{8} = \frac{14}{16}$$

$$11. \frac{5}{12} = \frac{10}{24}$$

$$12. \frac{2}{3} = \frac{6}{9}$$

# Equivalent Fractions Answers

Work out these equivalent fractions:

$$1. \frac{2}{3} = \frac{\boxed{4}}{6}$$

$$2. \frac{4}{\boxed{8}} = \frac{2}{4}$$

$$3. \frac{1}{5} = \frac{4}{\boxed{20}}$$

$$4. \frac{1}{4} = \frac{\boxed{3}}{12}$$

$$5. \frac{4}{\boxed{6}} = \frac{8}{12}$$

$$6. \frac{2}{\boxed{12}} = \frac{1}{6}$$

In your own words, explain how to find an equivalent fraction.

**Pupil's own response.**

Now, work out these equivalent fractions:

$$7. \frac{6}{\boxed{9}} = \frac{2}{3}$$

$$8. \frac{\boxed{6}}{16} = \frac{3}{8}$$

$$9. \frac{5}{6} = \frac{\boxed{20}}{24}$$

$$10. \frac{\boxed{2}}{8} = \frac{14}{56}$$

$$11. \frac{4}{7} = \frac{\boxed{16}}{28}$$

$$12. \frac{9}{13} = \frac{45}{\boxed{65}}$$

Sam says that  $\frac{2}{3}$  is equivalent to  $\frac{3}{9}$ . Is he correct? Explain your answer.

**He is incorrect. Accept any explanation that correctly explains why  $\frac{2}{3}$  is not equivalent to  $\frac{3}{9}$ . For example, Sam is wrong because to make the denominators equal (9) 3 would need to be multiplied by 3. 2 multiplied by 3 is 6 so  $\frac{2}{3}$  is equivalent to  $\frac{6}{9}$ .**