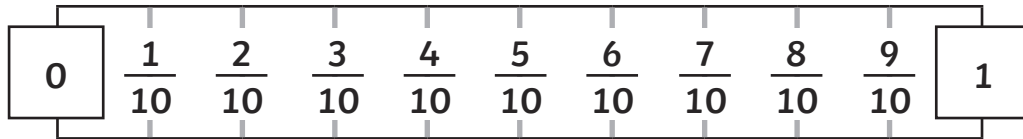
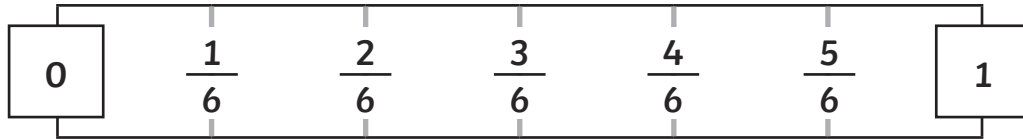
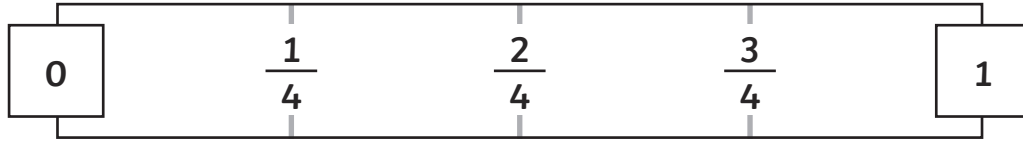
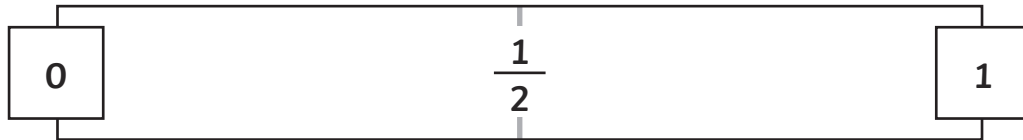


Equivalent Fractions

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

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.



$$\frac{1}{2}$$



$$\frac{1}{3}$$



$$\frac{1}{4}$$



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



$$\frac{1}{8}$$



$$\frac{1}{12}$$

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

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

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

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

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

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

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

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

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.

Now, work out these equivalent fractions:

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

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

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

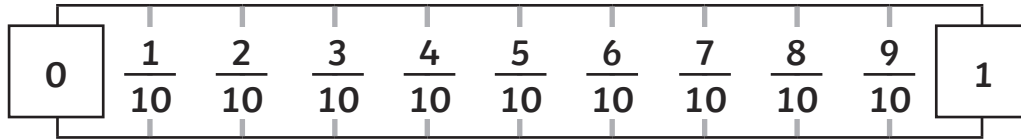
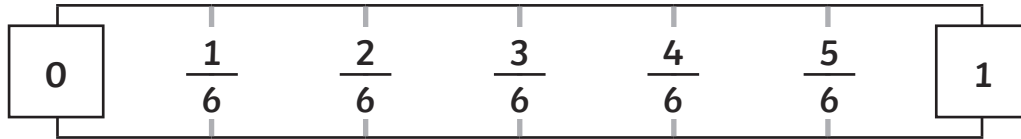
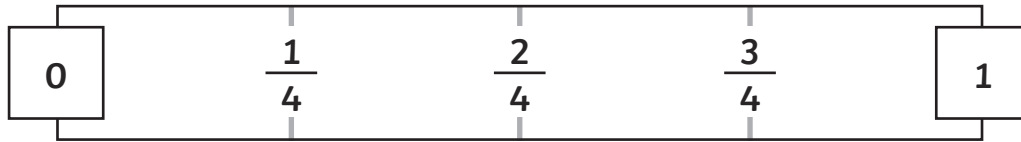
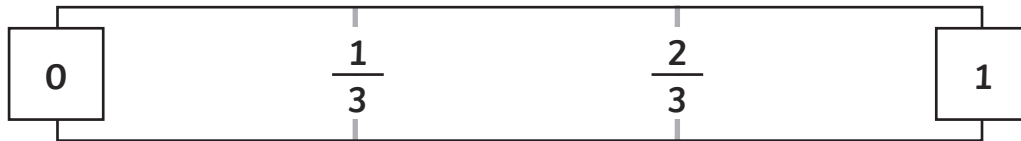
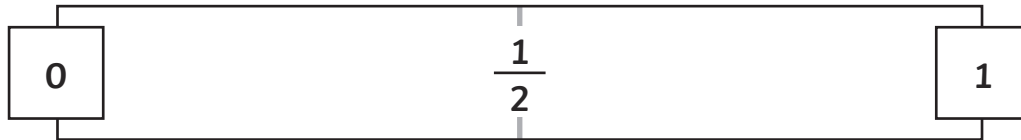
10. $\frac{\square}{8} = \frac{14}{56}$

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.

Equivalent Fractions Answers



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

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

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

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

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

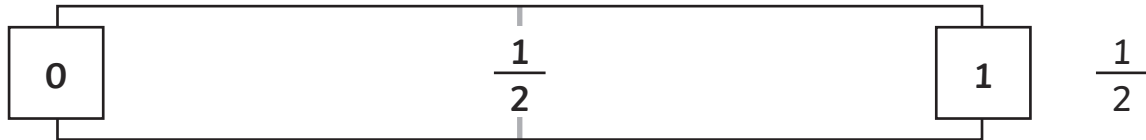
6. $\frac{4}{5} = \frac{\boxed{8}}{10}$

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

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



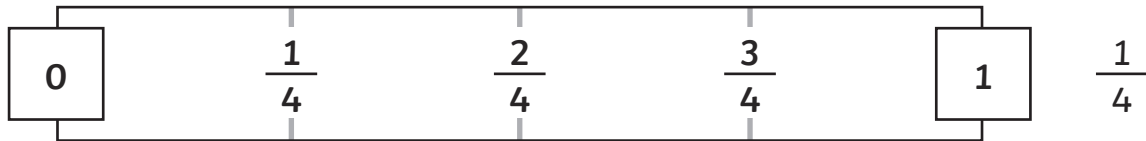
Equivalent Fractions Answers



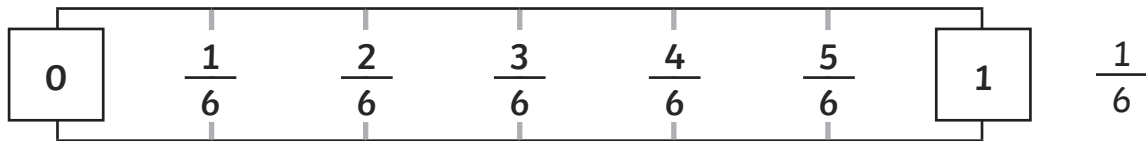
$$\frac{1}{2}$$



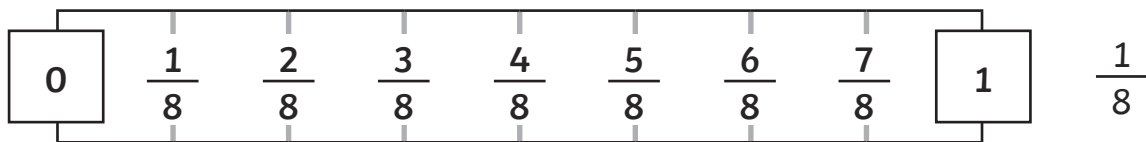
$$\frac{1}{3}$$



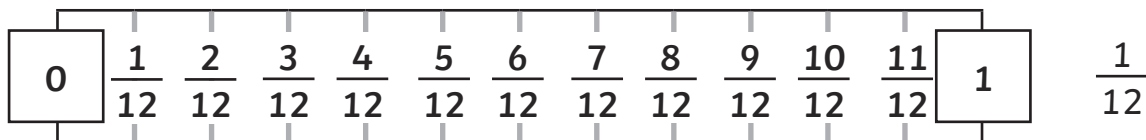
$$\frac{1}{4}$$



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



$$\frac{1}{8}$$



$$\frac{1}{12}$$

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

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

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

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

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

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

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

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

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 $\frac{6}{9}$.