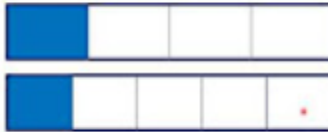


Which is larger:  $\frac{1}{4}$  or  $\frac{1}{5}$ ?

The larger the denominator, the smaller the fraction.

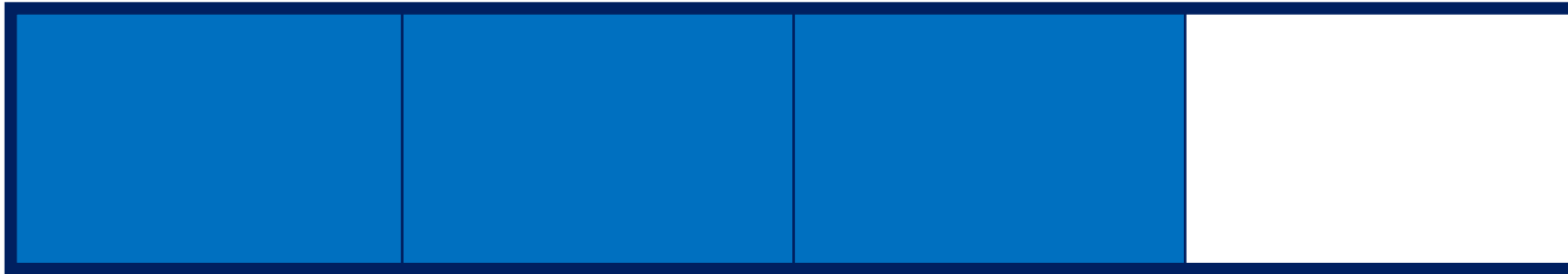
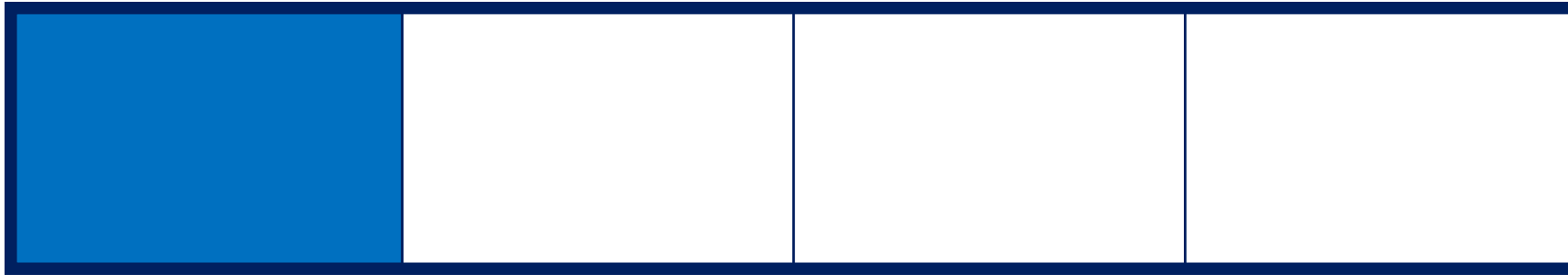


2:38

Compare and order fractions (with either the same denominator or same numerator)

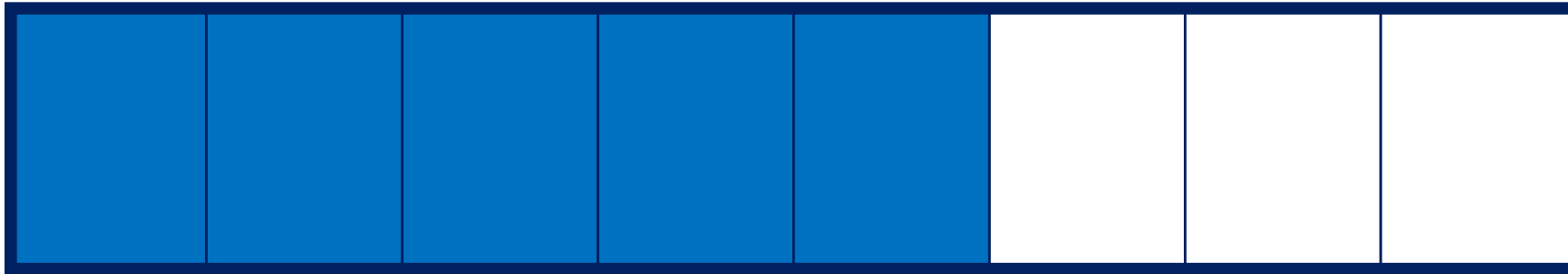
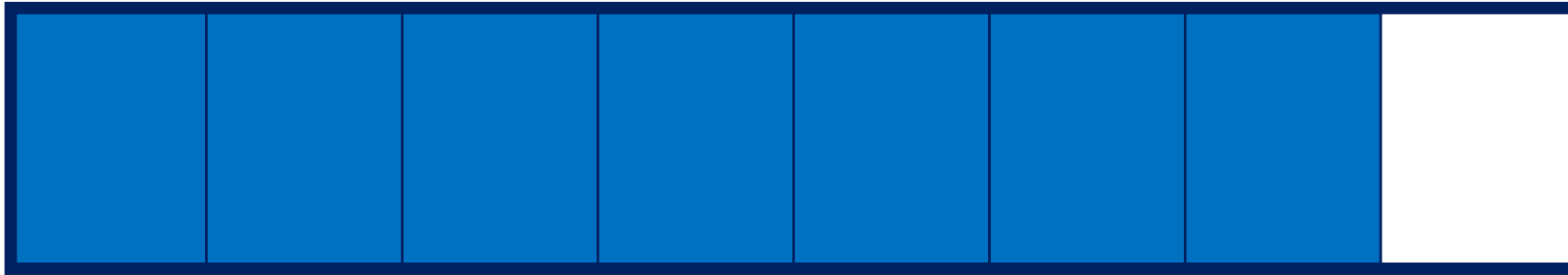
Which is larger:  $1/4$  or  $3/4$ ?  $3/4$

The larger the numerator, the larger the fraction.



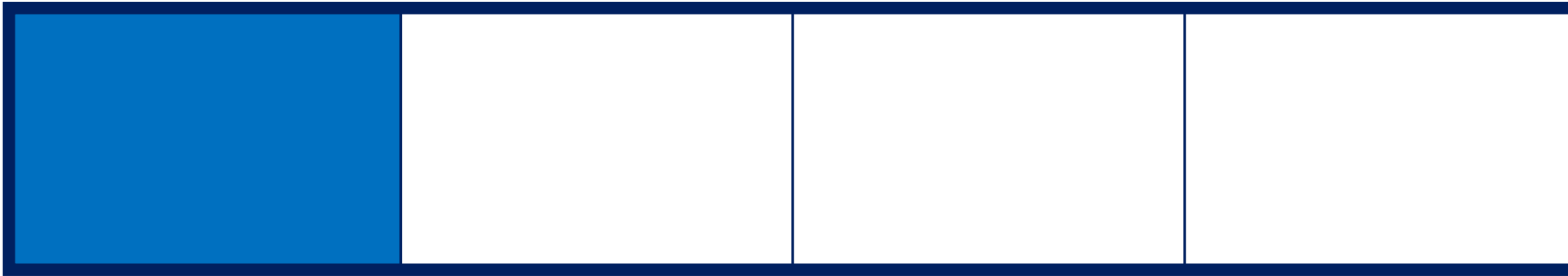
Which is larger:  $7/8$  or  $5/8$ ?  $7/8$

The larger the numerator, the larger the fraction.



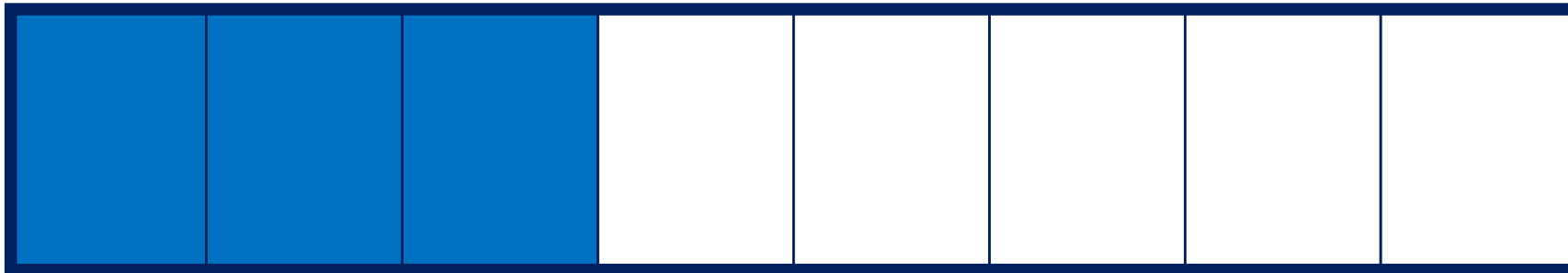
Which is larger:  $\frac{1}{4}$  or  $\frac{1}{5}$ ?  $\frac{1}{4}$

The larger the denominator, the smaller the fraction.



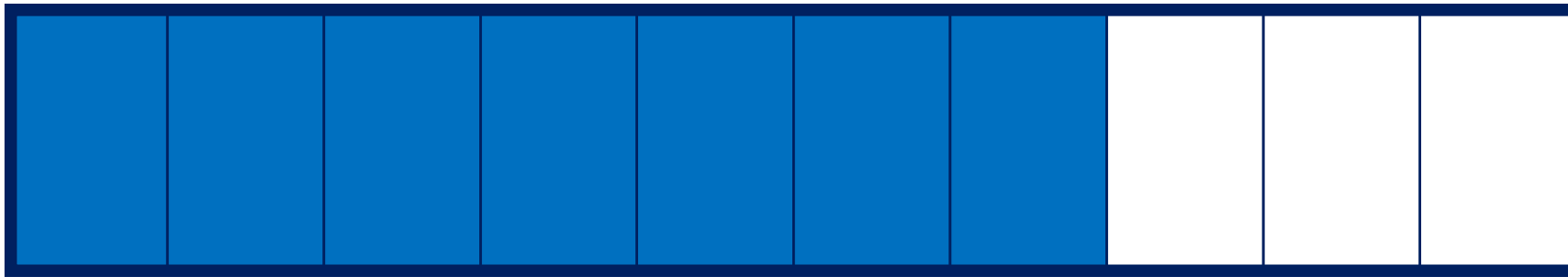
Which is larger:  $\frac{3}{6}$  or  $\frac{3}{8}$ ?  $\frac{3}{6}$

The larger the denominator, the smaller the fraction.



Which is larger:  $7/10$  or  $7/8$ ?  $7/8$

The larger the denominator, the smaller the fraction.



Which fraction is larger:  $\frac{2}{3}$  or  $\frac{4}{5}$ ?

$$\frac{2}{3} = \frac{10}{15}$$

$$\frac{4}{5} = \frac{12}{15}$$

When one denominator is not a multiple of another, you need to convert both fractions.

15 is a multiple of both 3 and 5, so we can find two equivalent fractions with a denominator of 15.

7:28

Compare and order fractions with different numerators and denominators

Which fraction is larger:  $\frac{1}{2}$  or  $\frac{3}{8}$  ?

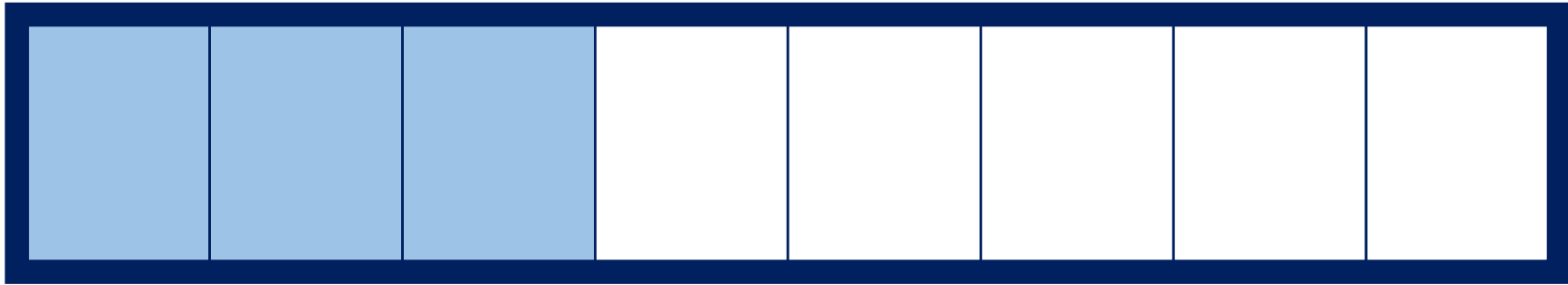
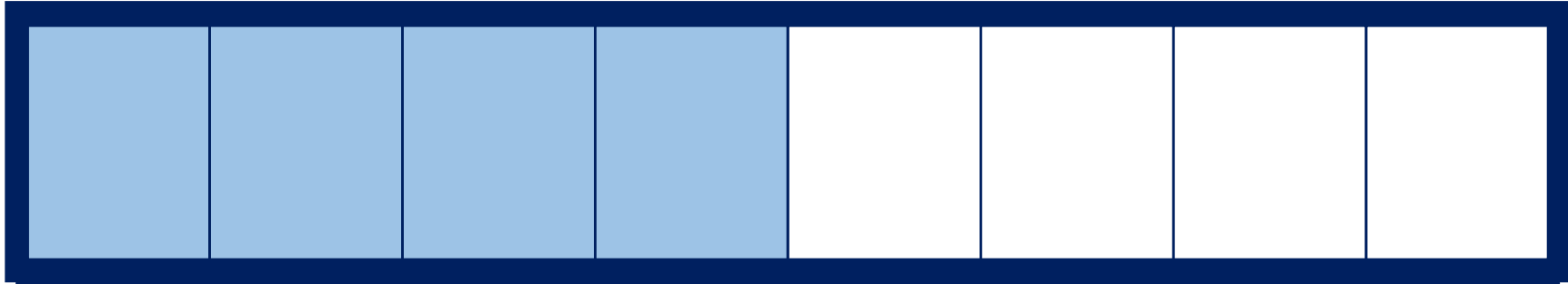
The diagram illustrates the process of finding an equivalent fraction for  $\frac{1}{2}$  with a denominator of 8. It shows the fraction  $\frac{1}{2}$  on the left, followed by an equals sign, and then the fraction  $\frac{4}{8}$  on the right. A blue curved arrow labeled 'x4' points from the numerator '1' to the numerator '4'. Another blue curved arrow labeled 'x4' points from the denominator '2' to the denominator '8'.

$$\frac{1}{2} = \frac{4}{8}$$

To compare fractions with different denominators, find equivalent fractions with the same denominators.



Which fraction is larger:  $\frac{1}{2}$  or  $\frac{3}{8}$  ?

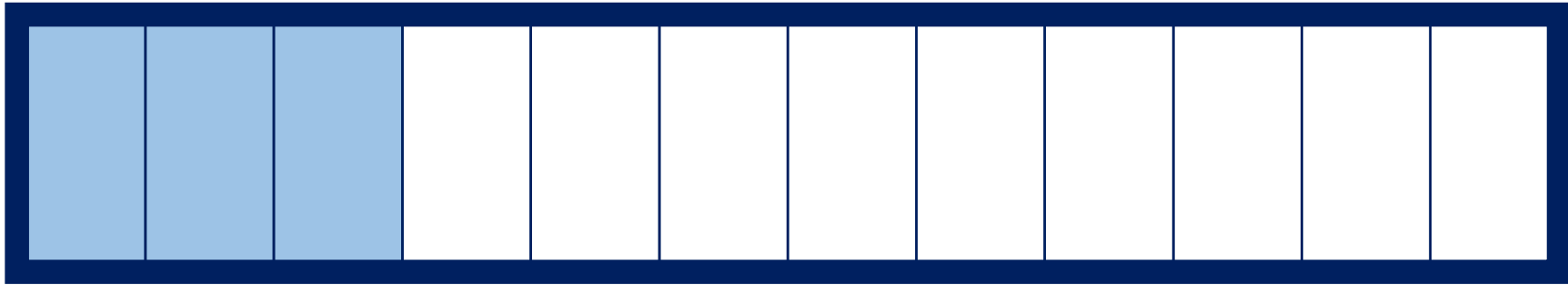
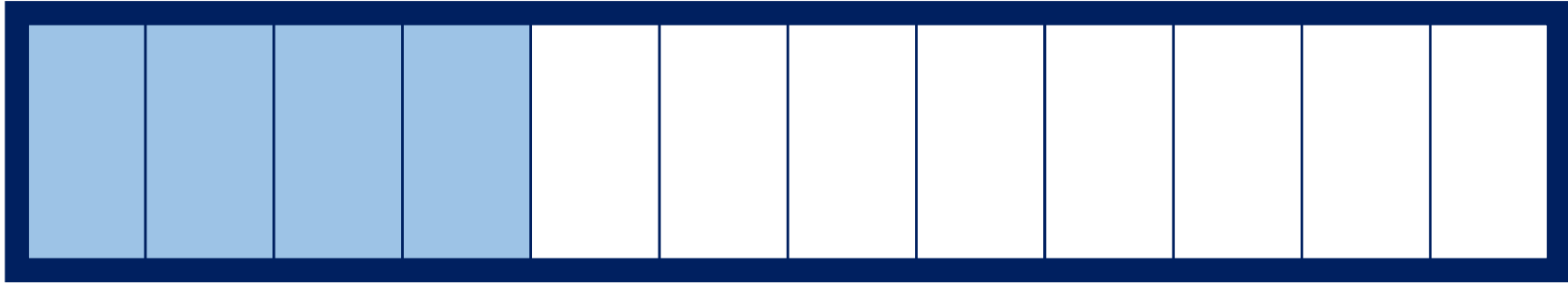


Which fraction is larger:  $\frac{1}{3}$  or  $\frac{3}{12}$  ?

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

The diagram illustrates the conversion of the fraction  $\frac{1}{3}$  to  $\frac{4}{12}$ . A blue bracket above the equation  $\frac{1}{3} = \frac{4}{12}$  is labeled  $\times 4$ , indicating that the numerator 1 is multiplied by 4 to become 4. A blue bracket below the equation is also labeled  $\times 4$ , indicating that the denominator 3 is multiplied by 4 to become 12. The numbers 1, 3, 4, and 12 are in red, while the equals sign and the multiplication labels are in blue.

Which fraction is larger:  $\frac{1}{3}$  or  $\frac{3}{12}$  ?

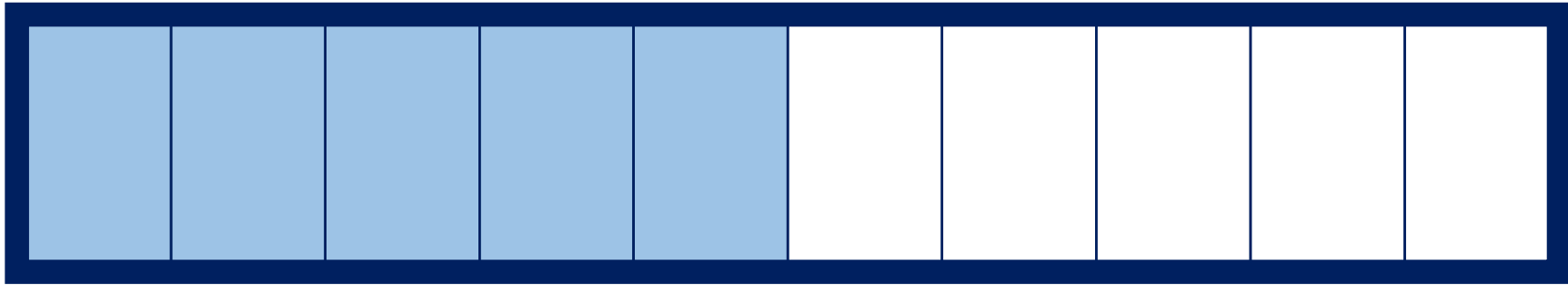
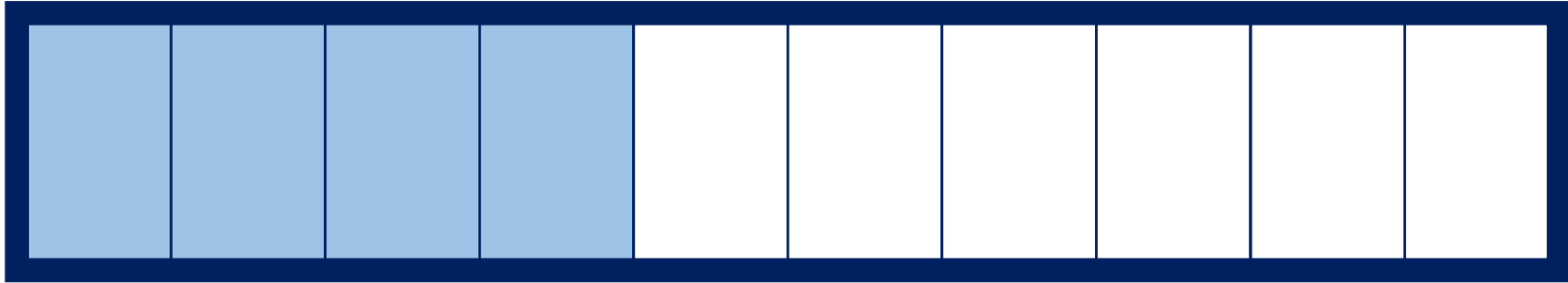


Which fraction is larger:  $\frac{2}{5}$  or  $\frac{5}{10}$ ?

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

The diagram illustrates the conversion of the fraction  $\frac{2}{5}$  to  $\frac{4}{10}$ . A blue bracket above the fraction is labeled "x2", indicating that the numerator (2) is multiplied by 2 to become 4. A blue bracket below the fraction is also labeled "x2", indicating that the denominator (5) is multiplied by 2 to become 10. The resulting fraction  $\frac{4}{10}$  is shown in red, with the numerator 4 having a small dot above it.

Which fraction is larger:  $\frac{2}{5}$  or  $\frac{5}{10}$ ?



Which fraction is larger:  $\frac{2}{3}$  or  $\frac{4}{5}$ ?

$$\frac{2}{3} = \frac{10}{15}$$

The diagram shows the fraction  $\frac{2}{3}$  on the left and  $\frac{10}{15}$  on the right, with an equals sign between them. A blue curved arrow above the fractions points from the denominator 3 to the denominator 15, labeled 'x5'. A blue curved arrow below the fractions points from the numerator 2 to the numerator 10, also labeled 'x5'.

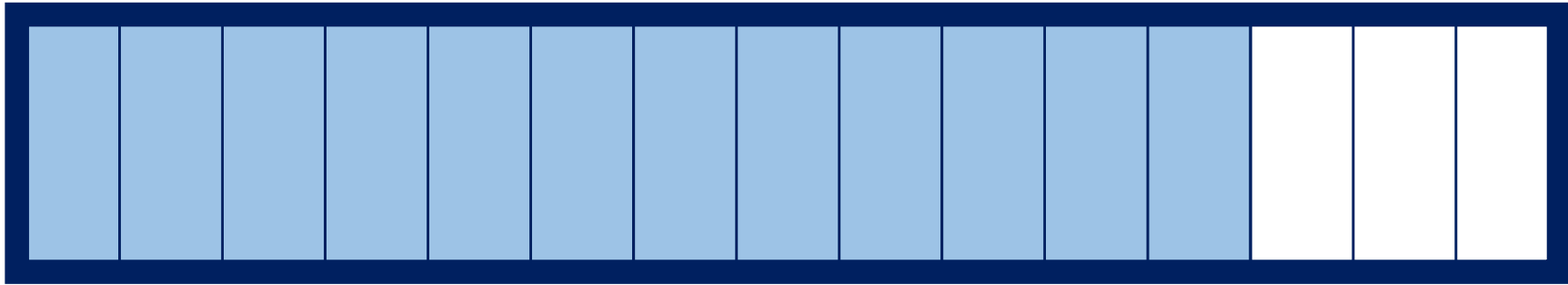
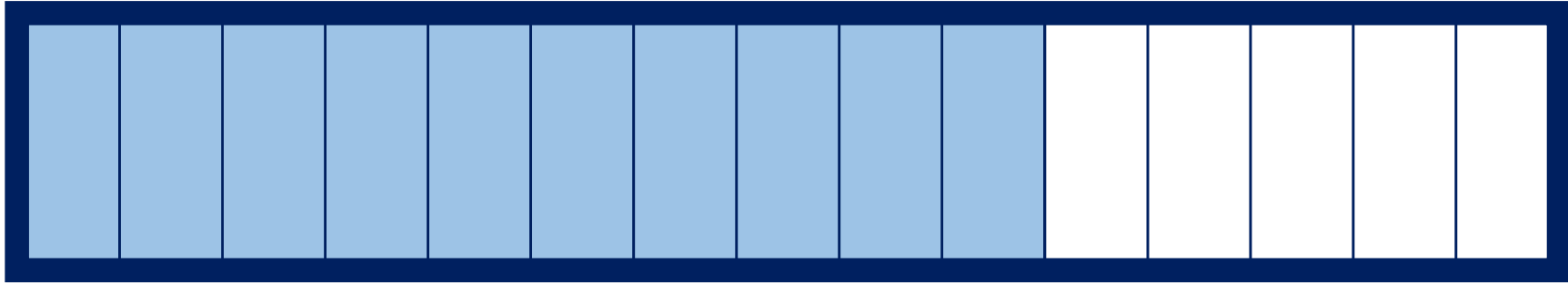
$$\frac{4}{5} = \frac{12}{15}$$

The diagram shows the fraction  $\frac{4}{5}$  on the left and  $\frac{12}{15}$  on the right, with an equals sign between them. A blue curved arrow above the fractions points from the denominator 5 to the denominator 15, labeled 'x3'. A blue curved arrow below the fractions points from the numerator 4 to the numerator 12, also labeled 'x3'.

When one denominator is not a multiple of another, you need to convert both fractions.

15 is a multiple of both 3 and 5, so we can find two equivalent fractions with a denominator of 15.

Which fraction is larger:  $\frac{2}{3}$  or  $\frac{4}{5}$ ?



Which fraction is larger:  $\frac{3}{4}$  or  $\frac{5}{6}$ ?

$$\frac{3}{4} = \frac{9}{12}$$

The diagram shows the fraction  $\frac{3}{4}$  on the left and  $\frac{9}{12}$  on the right, separated by an equals sign. A blue curved arrow points from the numerator 3 to the numerator 9, labeled 'x3'. Another blue curved arrow points from the denominator 4 to the denominator 12, also labeled 'x3'.

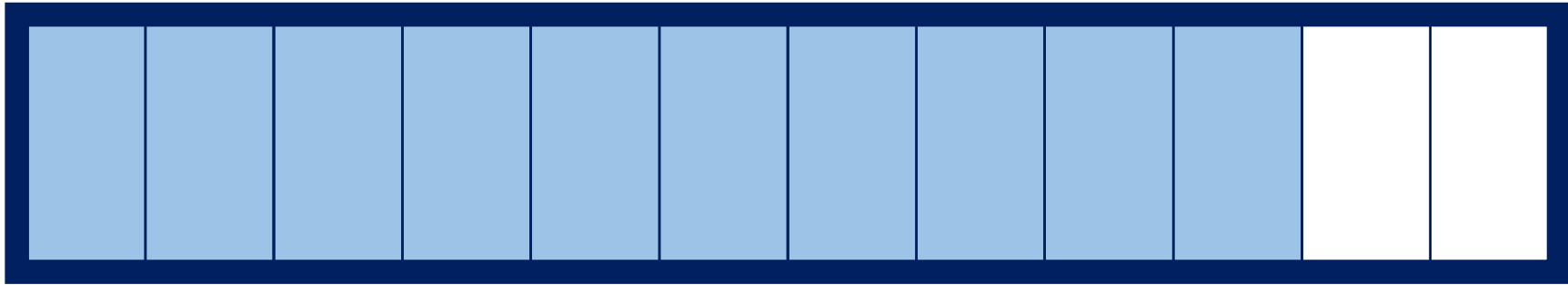
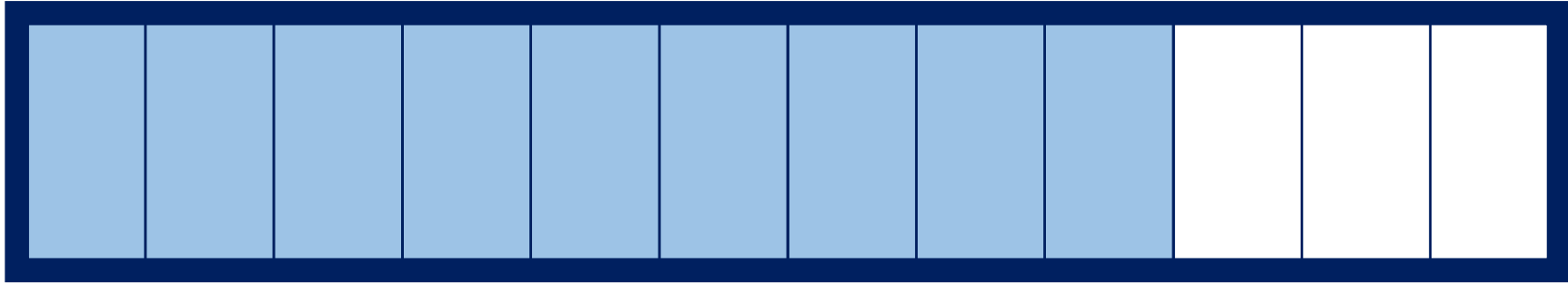
$$\frac{5}{6} = \frac{10}{12}$$

The diagram shows the fraction  $\frac{5}{6}$  on the left and  $\frac{10}{12}$  on the right, separated by an equals sign. A blue curved arrow points from the numerator 5 to the numerator 10, labeled 'x2'. Another blue curved arrow points from the denominator 6 to the denominator 12, also labeled 'x2'.

12 is a multiple of both 4 and 6, so we can find two equivalent fractions with a denominator of 12.



Which fraction is larger:  $\frac{3}{4}$  or  $\frac{5}{6}$ ?



Which fraction is larger:  $\frac{5}{6}$  or  $\frac{7}{9}$  ?

$$\frac{5}{6} = \frac{15}{18}$$

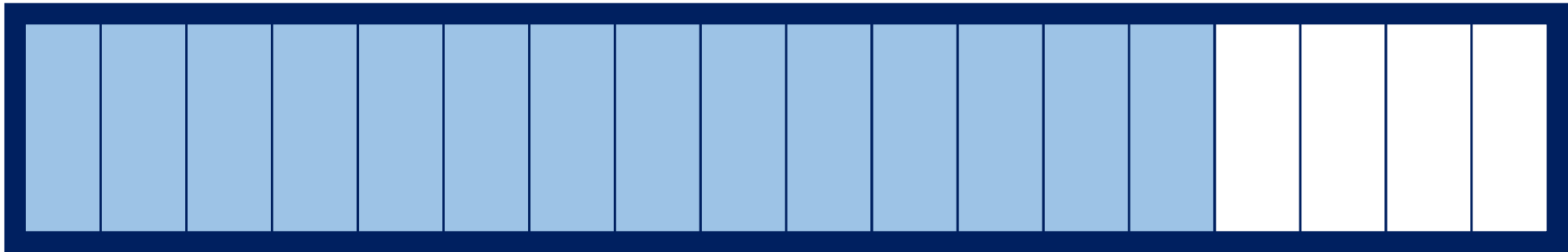
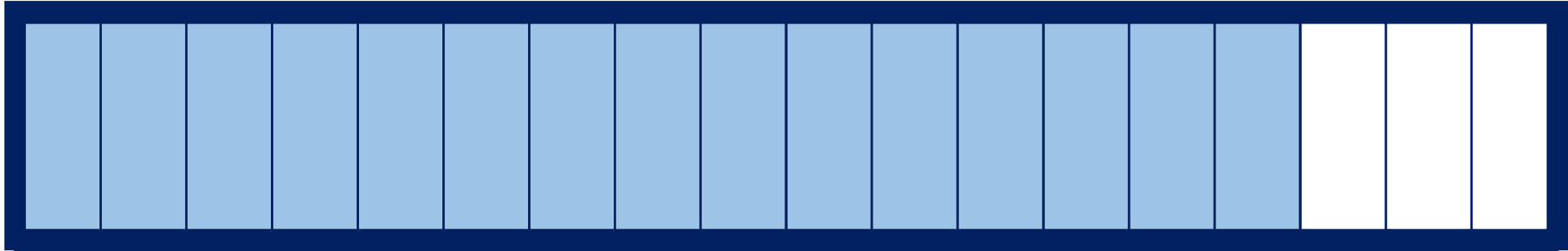
The diagram shows the fraction  $\frac{5}{6}$  on the left and  $\frac{15}{18}$  on the right, with an equals sign between them. A blue curved arrow points from the numerator 5 to the numerator 15, labeled 'x3'. Another blue curved arrow points from the denominator 6 to the denominator 18, also labeled 'x3'.

$$\frac{7}{9} = \frac{14}{18}$$

The diagram shows the fraction  $\frac{7}{9}$  on the left and  $\frac{14}{18}$  on the right, with an equals sign between them. A blue curved arrow points from the numerator 7 to the numerator 14, labeled 'x2'. Another blue curved arrow points from the denominator 9 to the denominator 18, also labeled 'x2'.

18 is a multiple of both 6 and 9, so we can find two equivalent fractions with a denominator of 18.

Which fraction is larger:  $\frac{5}{6}$  or  $\frac{7}{9}$  ?



Order these fractions from smallest to largest.

$$\frac{3}{5} \quad \frac{11}{20} \quad \frac{1}{2} \quad \frac{7}{10} \quad \frac{3}{4}$$

$$\frac{12}{20} \quad \frac{11}{20} \quad \frac{10}{20} \quad \frac{14}{20} \quad \frac{15}{20}$$

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7:13

Order fractions

Order these fractions from smallest to largest.



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

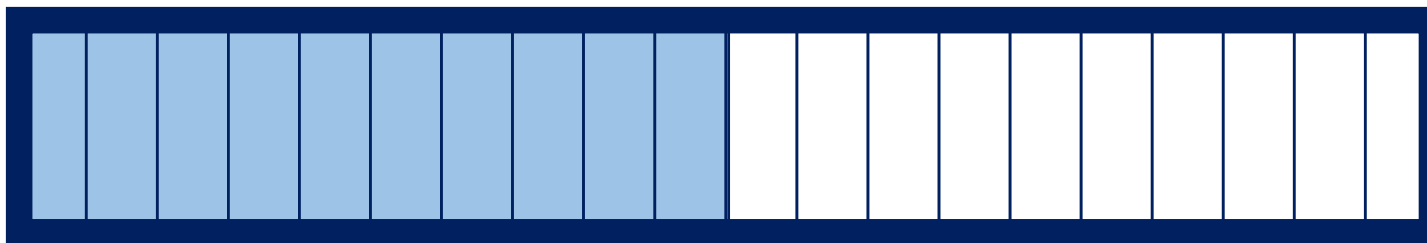
$$\frac{11}{20}$$

$$\frac{3}{5}$$

$$\frac{7}{10}$$

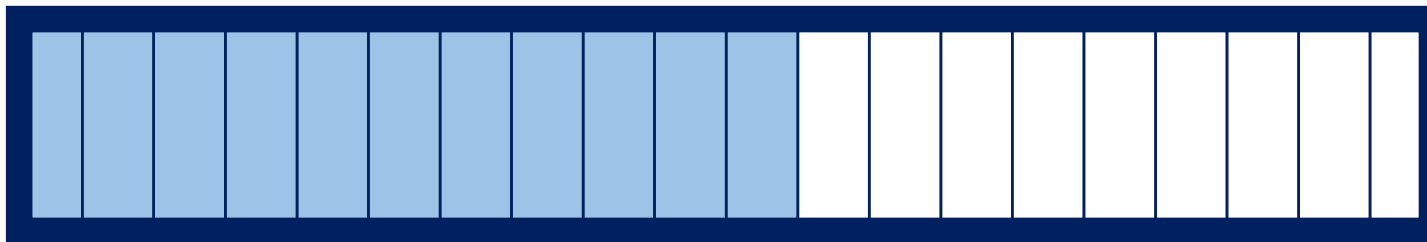
$$\frac{3}{4}$$

$1/2$



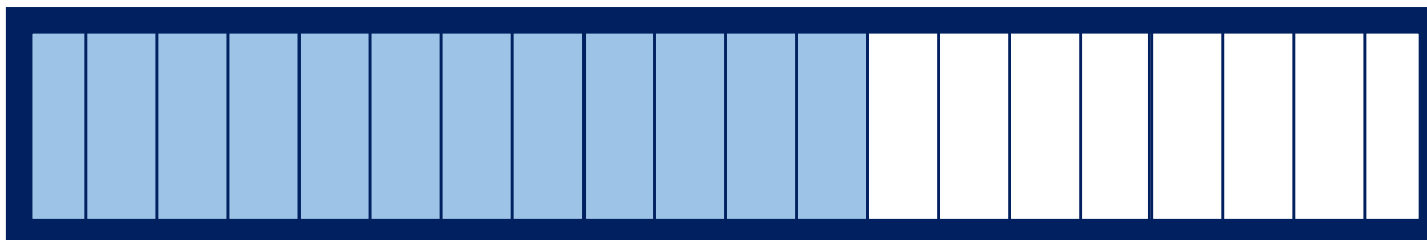
$10/20$

$11/20$



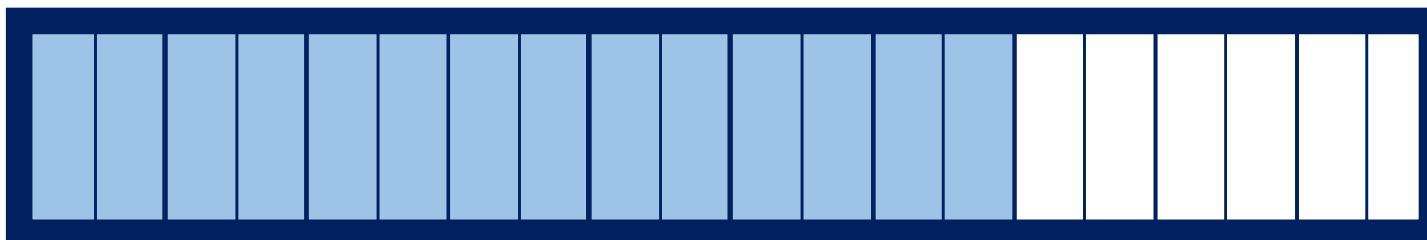
$11/20$

$3/5$



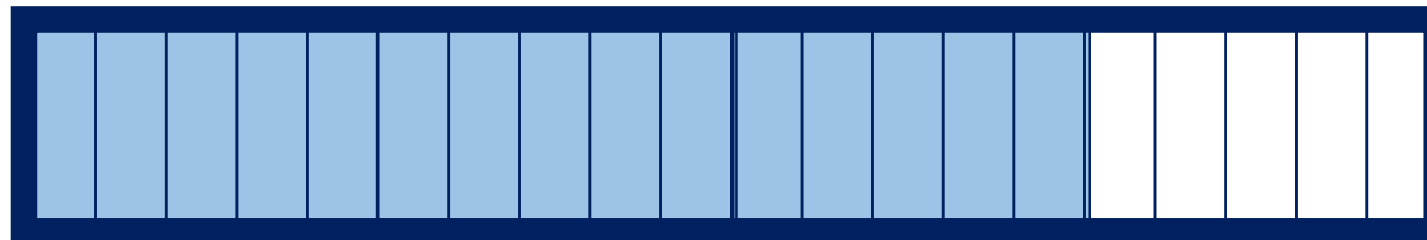
$12/20$

$7/10$



$14/20$

$3/4$



$15/20$

Order these fractions from smallest to largest.



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

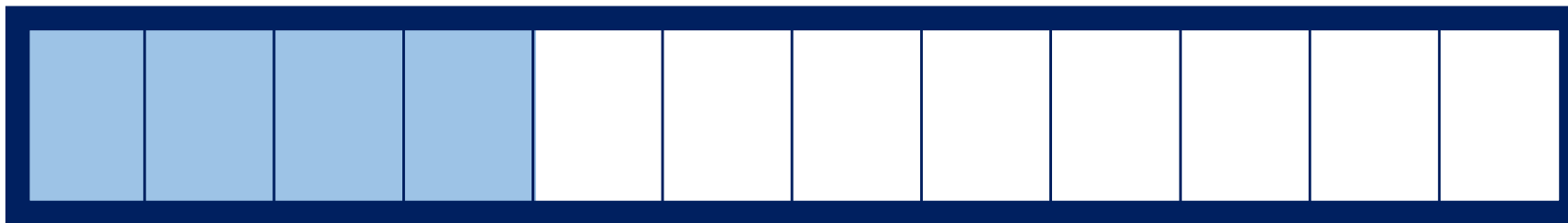
$$\frac{1}{2}$$

$$\frac{2}{3}$$

$$\frac{3}{4}$$

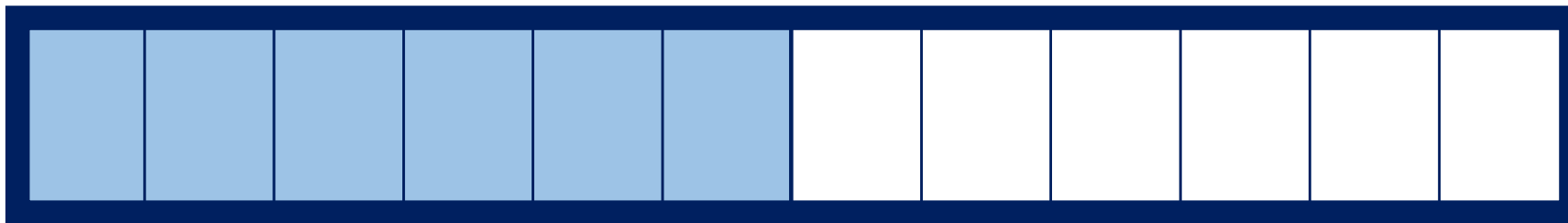
$$\frac{5}{6}$$

**$1/3$**



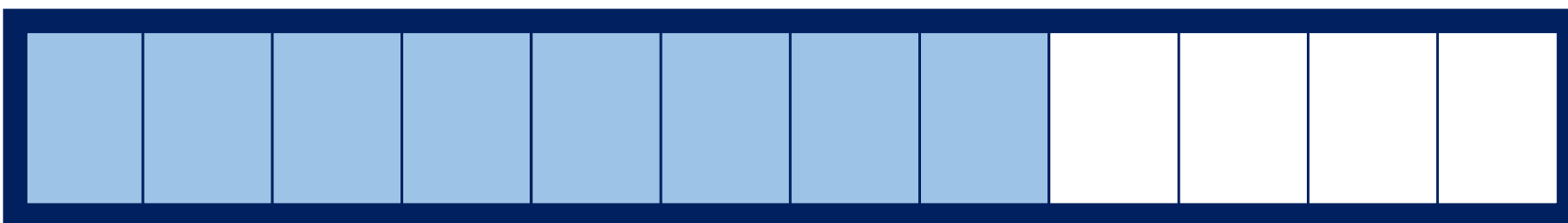
**$4/12$**

**$1/2$**



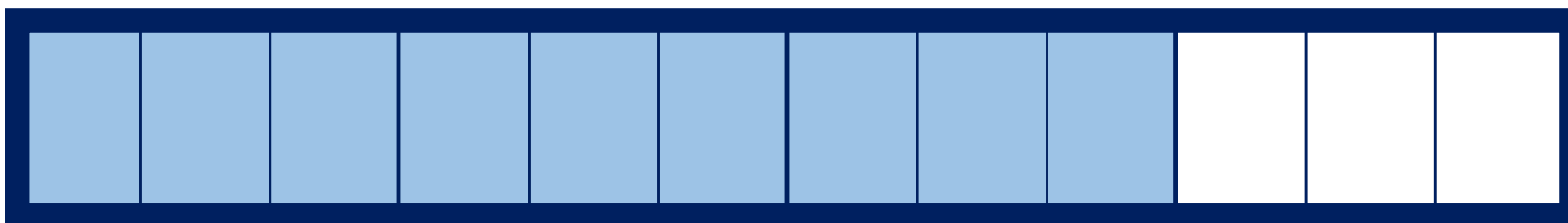
**$6/12$**

**$2/3$**



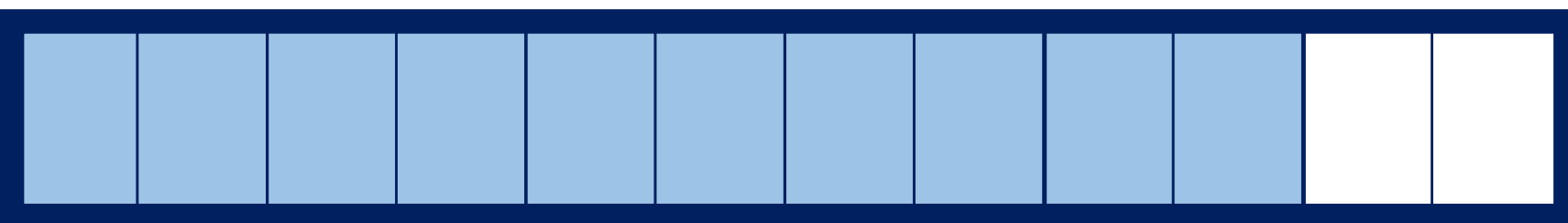
**$8/12$**

**$3/4$**



**$9/12$**

**$5/6$**



**$10/12$**