

## Des fractions équivalentes...

$\frac{1}{24}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{1}{12}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{1}{8}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{1}{6}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{1}{4}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{1}{3}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{1}{2}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{2}{12}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{2}{6}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{2}{8}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{2}{4}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{3}{24}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{4}{24}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{6}{24}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{3}{6}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{4}{12}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{4}{8}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{4}{6}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{2}{3}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{8}{24}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{6}{12}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{3}{4}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{12}{12}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{8}{12}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{9}{12}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{8}{8}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{12}{24}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{16}{24}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{2}{2}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>
$\frac{6}{8}$	<div style="border: 1px solid black; width: 100%; height: 15px; display: flex; justify-content: space-between;"><span style="width: 100%;"></span></div>

I) Pour chacun des 30 dessins ci-contre, hachurez ou coloriez la fraction du rectangle indiquée à sa gauche **en commençant par la gauche et sans laisser de cases « vides »**.

II) Vous avez probablement remarqué que dans certains cas, vous avez colorié la même « partie » du rectangle ; par exemple pour  $\frac{1}{8}$  et

$\frac{3}{24}$ . On dira dans ce cas que les

fractions  $\frac{1}{8}$  et  $\frac{3}{24}$  sont

« **équivalentes** ».

Et on écrira :  $\frac{1}{8} = \frac{3}{24}$ .

Sur ce principe, complétez :

$$\frac{1}{6} = \frac{\dots}{\dots} = \frac{\dots}{\dots} ;$$

$$\frac{1}{4} = \frac{\dots}{\dots} = \frac{\dots}{\dots} ;$$

$$\frac{1}{3} = \frac{\dots}{\dots} = \frac{\dots}{\dots} = \frac{\dots}{\dots} ;$$

$$\frac{1}{2} = \frac{\dots}{\dots} = \frac{\dots}{\dots} = \frac{\dots}{\dots} = \frac{\dots}{\dots} = \frac{\dots}{\dots} ;$$

$$\frac{4}{6} = \frac{\dots}{\dots} = \frac{\dots}{\dots} = \frac{\dots}{\dots} ;$$

$$\frac{3}{4} = \frac{\dots}{\dots} = \frac{\dots}{\dots} ;$$

$$\frac{12}{12} = \frac{\dots}{\dots} = \frac{\dots}{\dots} ;$$

En fait, lorsqu'on connaît une fraction, il est facile **sans faire de dessin** de trouver beaucoup de fractions qui lui sont équivalentes. Cherchez comment, puis répondez à la question suivante :

Trouvez **toutes** les fractions égales à  $\frac{16}{20}$  dont le dénominateur est inférieur à 100... Attention ! Il y en a 18 !