

Prénom : _____

Les grandeurs
Fractions

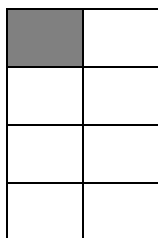
GRAND.

Date : _____

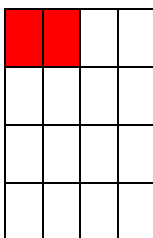
Fractions équivalentes



1. Colorie la fraction équivalente et écris-la.



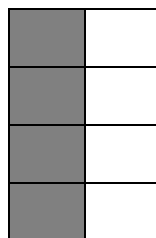
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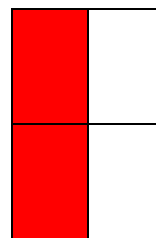
$$\frac{1}{8}$$

=

$$\frac{2}{16}$$



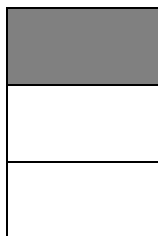
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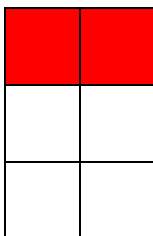
$$\frac{4}{8}$$

=

$$\frac{2}{4}$$



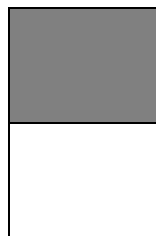
=



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

=

$$\frac{2}{6}$$



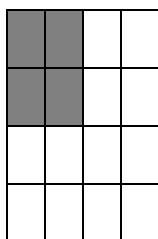
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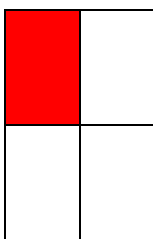
$$\frac{1}{2}$$

=

$$\frac{2}{4}$$



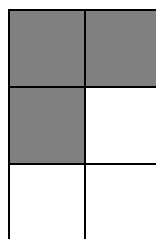
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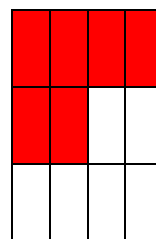
$$\frac{4}{16}$$

=

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



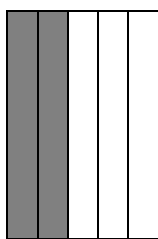
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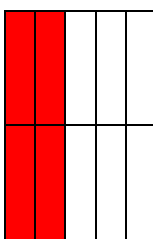
$$\frac{3}{6}$$

=

$$\frac{6}{12}$$



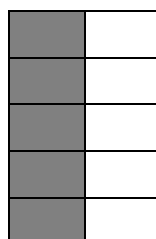
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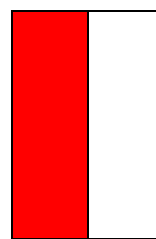
$$\frac{2}{5}$$

=

$$\frac{4}{10}$$



=

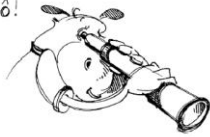


$$\frac{5}{10}$$

=

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

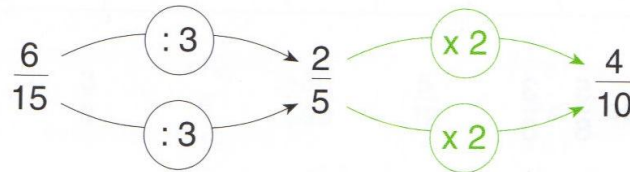
Ouf !



Je retiens.

Des fractions équivalentes sont de fractions qui représentent le même nombre, ou la même part.

Pour obtenir des fractions équivalentes, on multiplie ou on divise le numérateur et le dénominateur par un même nombre.



2. Complète les opérateurs.

$$\frac{2}{6} \xrightarrow{\times 2} \frac{4}{12}$$

$$\frac{8}{12} \xrightarrow{\div 4} \frac{2}{3}$$

$$\frac{3}{3} \xrightarrow{\times 4} \frac{12}{12}$$

$$\frac{2}{6} \xrightarrow{\div 2} \frac{1}{3}$$

$$\frac{1}{4} \xrightarrow{\times 3} \frac{3}{12}$$

$$\frac{6}{12} \xrightarrow{\div 3} \frac{2}{4} \xrightarrow{\div 2} \frac{1}{2}$$

3. Compare les numérateurs et les dénominateurs. Complète.

$$\frac{1}{2} \xrightarrow{\times 2} \frac{2}{4}$$

$$\frac{2}{3} \xrightarrow{\times 3} \frac{6}{9}$$

$$\frac{1}{3} \xrightarrow{\times 4} \frac{4}{12}$$

$$\frac{4}{8} \xrightarrow{\div 4} \frac{1}{2}$$

$$\frac{3}{6} \xrightarrow{\div 3} \frac{1}{2}$$

$$\frac{3}{4} \xrightarrow{\times 2} \frac{6}{8}$$

4. Complète les pointillés des opérateurs et des fractions.

$$\frac{3}{5} \xrightarrow{\times 3} \frac{9}{15} \xrightarrow{\times 2} \frac{18}{30} \xrightarrow{\times 4} \frac{72}{120} \xrightarrow{\div 6} \frac{12}{20} \xrightarrow{\div 2} \frac{6}{10} \xrightarrow{\times 9} \frac{54}{90} \xrightarrow{\div 2} \frac{27}{45} \xrightarrow{\div 9} \frac{3}{5}$$

5. Ecris les fractions équivalentes.

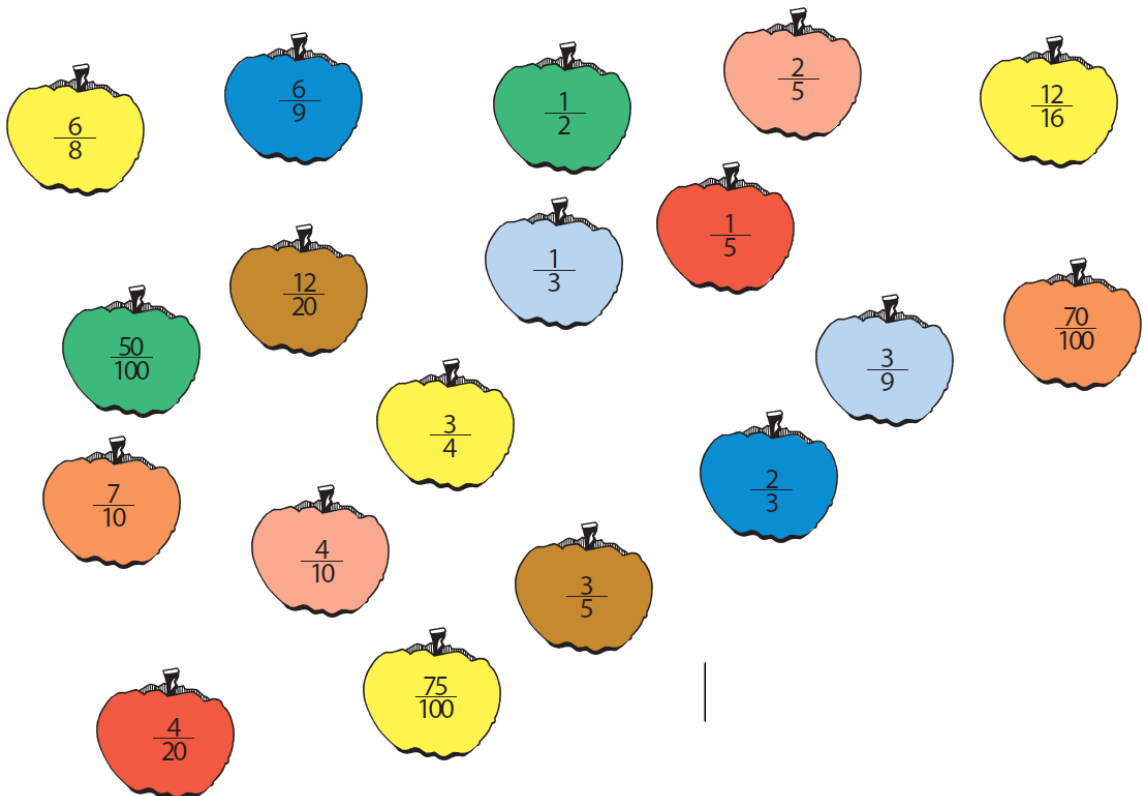
$$\frac{2}{5} = \frac{4}{10} = \frac{8}{20} = \frac{40}{100}$$

$$\frac{2}{3} = \frac{4}{6} = \frac{6}{9}$$

$$\frac{3}{4} = \frac{6}{8} = \frac{9}{12} = \frac{15}{20} = \frac{75}{100}$$

$$\frac{12}{20} = \frac{6}{10} = \frac{3}{5} = \frac{60}{100}$$

6. Colorie les fractions équivalentes d'une même couleur.



7. Dans chaque série, colorie l'intrus.

| | | | | |
|---------------|-----------------|-----------------|---------------|-----------------|
| $\frac{4}{8}$ | $\frac{16}{32}$ | $\frac{10}{24}$ | $\frac{3}{6}$ | $\frac{10}{20}$ |
|---------------|-----------------|-----------------|---------------|-----------------|

| | | | | |
|---------------|-----------------|-----------------|----------------|-----------------|
| $\frac{4}{9}$ | $\frac{26}{63}$ | $\frac{40}{90}$ | $\frac{8}{18}$ | $\frac{12}{27}$ |
|---------------|-----------------|-----------------|----------------|-----------------|

| | | | | |
|----------------|----------------|---------------|-----------------|-----------------|
| $\frac{3}{10}$ | $\frac{6}{15}$ | $\frac{2}{5}$ | $\frac{18}{45}$ | $\frac{24}{60}$ |
|----------------|----------------|---------------|-----------------|-----------------|

| | | | | |
|---------------|---------------|-----------------|----------------|-----------------|
| $\frac{3}{9}$ | $\frac{1}{3}$ | $\frac{16}{54}$ | $\frac{9}{27}$ | $\frac{11}{33}$ |
|---------------|---------------|-----------------|----------------|-----------------|



