Name: .... Class: ....

Identify equivalent fractions

Review: Two fractions are equivalent if they have the same value or if they represent the same amount in a model.

a. Identify the fraction that is (are) equivalent to $\frac{1}{4}$ below.

a $\frac{2}{4}$ b $\frac{2}{8}$ c $\frac{4}{16}$ d $\frac{1}{3}$

Identify and tick the fractions that is(are) equivalent to the fractions given below.

b. $\frac{3}{9}$

a $\frac{1}{3}$ b $\frac{2}{6}$ c $\frac{1}{4}$ d $\frac{3}{3}$

c. $\frac{2}{16}$

a $\frac{1}{4}$ b $\frac{1}{8}$ c $\frac{4}{32}$ d $\frac{1}{18}$

d. $\frac{4}{12}$

a $\frac{10}{16}$ b $\frac{1}{3}$ c $\frac{2}{6}$ d $\frac{12}{36}$

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| a $\frac{2}{4}$ | b $\frac{2}{8}$ | c $\frac{4}{16}$ | d $\frac{1}{3}$ |

Let's first of all model $\frac{1}{4}$.

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

Let's model the other fractions of same length as $\frac{1}{4}$

and see which one(s) show the same amount as $\frac{1}{4}$.

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

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

$\square\square\square\square = \frac{2}{8}$

$\square\square\square\square = \frac{4}{16}$

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

You see that, only $\frac{2}{8}$ and $\frac{4}{16}$ show the same amount as $\frac{1}{4}$.

So, $\frac{2}{8}$ and $\frac{4}{16}$ are equivalent to $\frac{1}{4}$

Identify and tick the fractions that is(are) equivalent to the fractions given below.

b. $\frac{3}{9}$ ✓a $\frac{1}{3}$ b $\frac{2}{6}$ c $\frac{1}{4}$ d $\frac{3}{3}$

c. $\frac{2}{16}$ a $\frac{1}{4}$ ✓b $\frac{1}{8}$ ✓c $\frac{4}{32}$ d $\frac{1}{18}$

d. $\frac{4}{12}$ a $\frac{10}{16}$ ✓b $\frac{1}{3}$ ✓c $\frac{2}{6}$ ✓d $\frac{12}{36}$