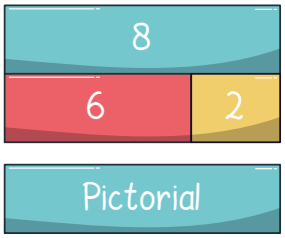
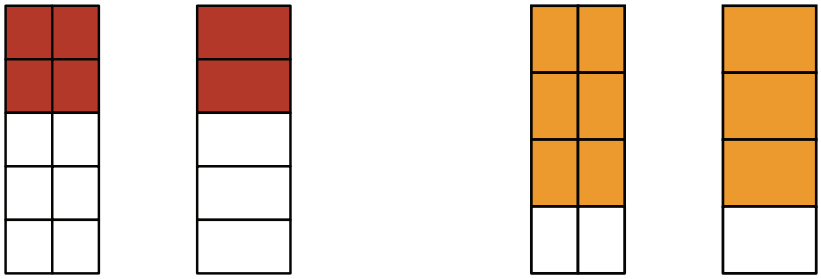
Equivalent fractions

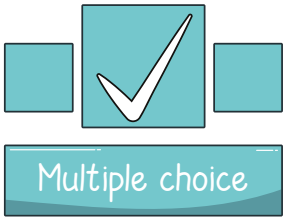


1) Use the models to write the equivalent fractions:



$\frac{\square}{\square} = \frac{\square}{\square}$ $\frac{\square}{\square} = \frac{\square}{\square}$

Equivalent fractions



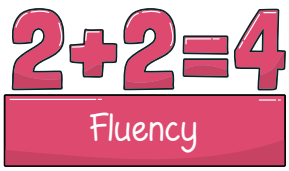
2) Which of the following statements is correct?

$\square \quad \frac{2}{3} = \frac{6}{9}$

$\square \quad \frac{2}{3} = \frac{6}{12}$

$\square \quad \frac{2}{3} = \frac{4}{9}$

Equivalent fractions



3) Work out the equivalent fractions.

a) $\frac{4}{5} = \frac{\square}{10}$ b) $\frac{2}{3} = \frac{\square}{12}$

c) $\frac{1}{2} = \frac{\square}{20}$ d) $\frac{4}{5} = \frac{\square}{10}$

e) $\frac{6}{10} = \frac{3}{\square}$ e) $\frac{2}{5} = \frac{8}{\square}$

Equivalent fractions

4) Find the mistake in the following:

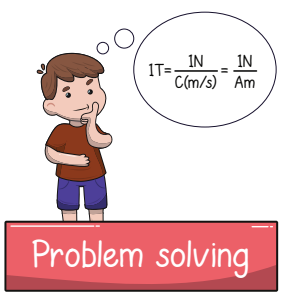
$$\frac{20}{24} = \frac{4}{6}$$

Equivalent fractions

5) Luke says $\frac{3}{4}$ is an **equivalent** fraction of $\frac{1}{2}$.

Explain why he is incorrect.

Equivalent fractions



6) Here are some fraction cards.

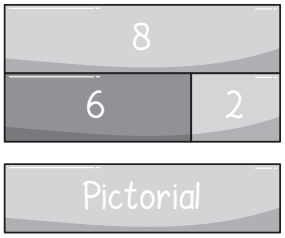
The fraction cards are all equivalent fractions.

$\frac{4}{A}$ $\frac{B}{C}$ $\frac{20}{50}$

A + B = 16.

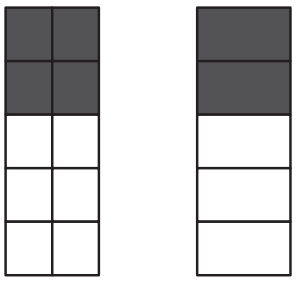
Calculate the value of C.

Equivalent fractions

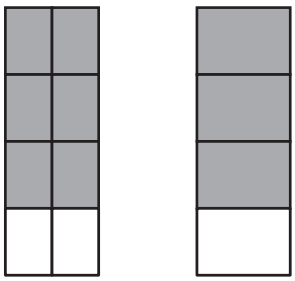


ANSWERS

1) Use the models to write the equivalent fractions:

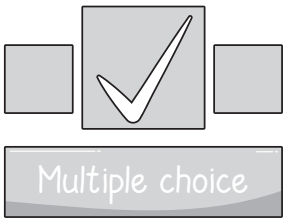


$\frac{4}{10} = \frac{2}{5}$



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

Equivalent fractions

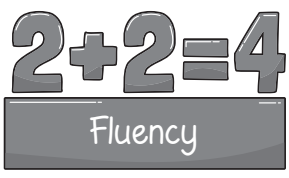


ANSWERS

2) Which of the following statements is correct?

- ☑ $\frac{2}{3} = \frac{6}{9}$
- ☐ $\frac{2}{3} = \frac{6}{12}$
- ☐ $\frac{2}{3} = \frac{4}{9}$

Equivalent fractions



ANSWERS

3) Work out the equivalent fractions.

a) $\frac{4}{5} = \frac{8}{10}$

b) $\frac{2}{3} = \frac{8}{12}$

c) $\frac{1}{2} = \frac{10}{20}$

d) $\frac{4}{5} = \frac{8}{10}$

e) $\frac{6}{10} = \frac{3}{5}$

e) $\frac{2}{5} = \frac{8}{20}$

Equivalent fractions

ANSWERS

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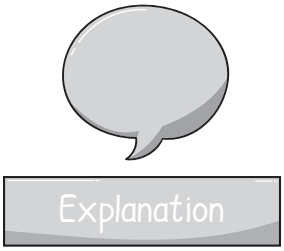
4) Find the mistake in the following:

$$\frac{20}{24} = \frac{4}{6}$$

$\frac{20}{24} = \frac{5}{6}$ not $\frac{4}{6}$

Equivalent fractions



ANSWERS

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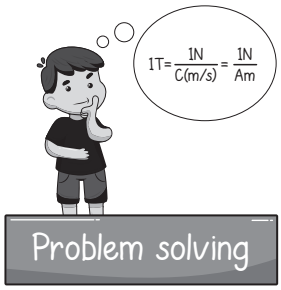
5) Luke says $\frac{3}{4}$ is an **equivalent** fraction of $\frac{1}{2}$.

Explain why he is incorrect.

Luke is incorrect because $\frac{1}{2}$ is an equivalent fraction of $\frac{2}{4}$ not $\frac{3}{4}$.

Equivalent fractions



ANSWERS

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6) Here are some fraction cards.

The fraction cards are all equivalent fractions.

A + B = 16.

Calculate the value of C.

$\frac{4}{A}$	$\frac{B}{C}$	$\frac{20}{50}$

A = 10

B = 6

C = 15