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Form Simplest in Fractions الملف

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15. Fractions in Simplest form

A. Visual learning

How do you write a fraction in **simplest form**?

A fraction is in **simplest form** when the only common factor of the numerator and the denominator is 1.

Example:

In early May, Fairbanks, Alaska, has daylight for $\frac{18}{24}$ of the day.

Write $\frac{18}{24}$ in **simplest form**.

We divide 18 and 24 for 2 and 3.

$$\frac{18}{24} \xrightarrow{\div 2} \frac{9}{12} \xrightarrow{\div 3} \frac{3}{4}$$

then

$$\frac{9}{12} \xrightarrow{\div 3} \frac{3}{4}$$

$\frac{3}{4}$ is in simplest form of $\frac{18}{24}$, because 3 and 4 just divide for only 1.



B. Vocabulary

simplest form: _____

divide same number: _____

C. Independent practice

In 1 - 4, tick all the fraction in simplest form.

1.

$\frac{3}{4}$

2.

$\frac{12}{30}$

3.

$\frac{4}{9}$

4.

$\frac{10}{210}$

In 5 – 8, write each fraction in simplest form.

5. $\frac{14}{21} = \frac{\boxed{}}{\boxed{}}$

6. $\frac{18}{24} = \frac{\boxed{}}{\boxed{}}$

7. $\frac{40}{45} = \frac{\boxed{}}{\boxed{}}$

8. $\frac{30}{80} = \frac{\boxed{}}{\boxed{}}$

9. What fraction of the triangles are inside the box? Write the answer in simplest form.



10. There are 12 students in Delynn's class. Eight students have got pets.

Write the fraction of the class that has got pets in simplest form.

11*. There are 75 pieces of fruit in a basket. Sixty of the pieces are apples.

Write the fraction shows the fruit that are **not** apples in simplest form. Explain.
