

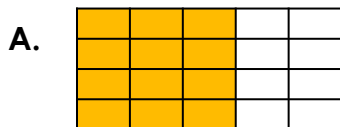
Simplify Fractions

1. Simplify each fraction using the highest common factor.

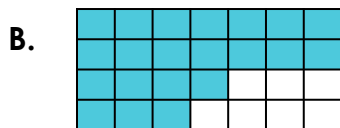
A. $\frac{18}{30} \xrightarrow{\div 6} \frac{\boxed{}}{\boxed{}}$

B. $\frac{36}{63} \xrightarrow{\div 9} \frac{\boxed{}}{\boxed{}}$

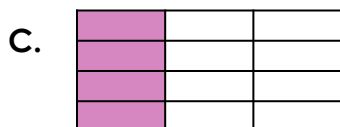
2. Match each fraction to its simplified form.



$\frac{1}{3}$



$\frac{3}{4}$



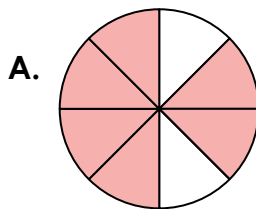
$\frac{3}{5}$

3. Tick the fractions that are shown in their simplest form.

$\frac{9}{13}$ $\frac{2}{5}$ $\frac{6}{9}$ $\frac{8}{14}$

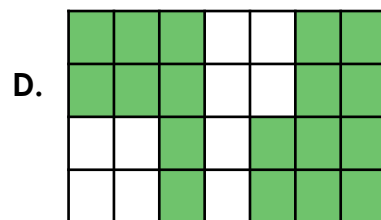
$\frac{12}{20}$ $\frac{13}{17}$ $\frac{4}{9}$ $\frac{3}{12}$ $\frac{11}{25}$

4. Which fraction is the odd one out?



B. $\frac{15}{20}$

C. $\frac{24}{32}$

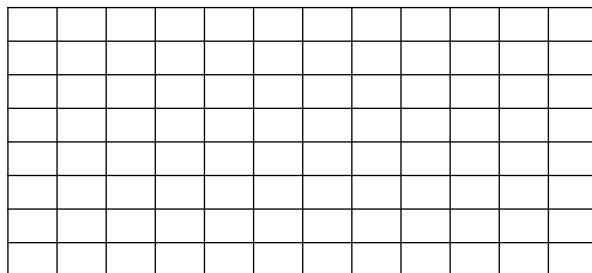


Explain how you know.

5. Mo orders a delivery of 96 pieces of fruit for his shop. There are 64 bananas and the rest of the fruit is apples.

What fraction of the fruit is bananas? Write this in its simplest form.

What fraction of the fruit is apples? Write this in its simplest form.



6. Addison says,

I think both $\frac{64}{84}$ and $\frac{12}{60}$ will both need to be divided by 4 to be simplified because the numbers all share a common factor of 4.



Is she correct? Convince me.

Simplify Fractions

1.

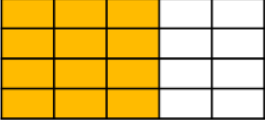
A. $\frac{18}{30} = \frac{3}{5}$


$\div 6$

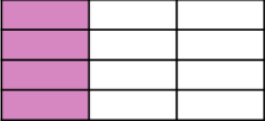
B. $\frac{36}{63} = \frac{4}{7}$

$\div 9$

2.

A.  $\frac{1}{3}$

B.  $\frac{3}{4}$

C.  $\frac{3}{5}$

3. The fractions shown in their simplest form are: $\frac{9}{13}$, $\frac{2}{5}$, $\frac{13}{17}$, $\frac{4}{9}$ and $\frac{11}{25}$.

4. D is the odd one out because this image shows $\frac{18}{28}$, which can be written as $\frac{9}{14}$ in its simplest form. Fractions A, B and C can all be simplified to $\frac{3}{4}$.

5. $\frac{2}{3}$ of the fruit delivery is bananas and $\frac{1}{3}$ of the delivery is apples.

6. Addison is incorrect because $\frac{64}{84}$ has a highest common factor of 4 and can be simplified to $\frac{16}{21}$ but $\frac{12}{60}$ has a highest common factor of 12 and can be simplified to $\frac{1}{5}$.

Addison's statement is incorrect because you cannot simplify two fractions by finding the highest common factor of all four numbers as one of the fractions may have a different highest common factor.