

Making the Whole

1. Lily and Xander have combined their envelopes. One child brought the sealed envelopes.



My fraction has an even numerator.

My collection is smaller than Lily's.



Identify each child's fraction.

VF

4. Gustav and Esme are discussing the statement below.

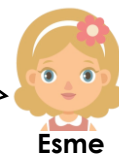
$$\frac{?}{8} \text{ and } \frac{?}{8} \text{ make } \frac{8}{8}.$$



The missing numerators can have a difference of 1.

Gustav

I think both missing numerators can have an even value.



Esme

Who is correct? Convince me.

R

2. Use the images to complete the statements.



$$\frac{\square}{\square} \text{ and } \frac{5}{\square} \text{ make } \frac{\square}{9}$$



$$\frac{1}{4} \text{ and } \frac{\square}{\square} \text{ make } \frac{4}{\square}$$

VF

5. Josh and Ramona are sharing slices of a cucumber.



Together they have eaten $\frac{7}{7}$ of the cucumber.

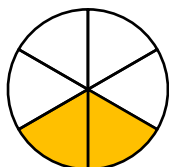
How many slices could Josh and Romana have each eaten?

List all the possible combinations.

PS

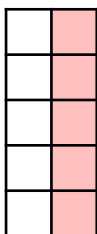
3. Match the representations to the fraction to make a whole.

A.



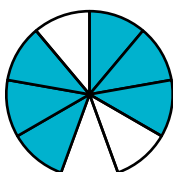
$$\frac{5}{10}$$

B.



$$\frac{4}{6}$$

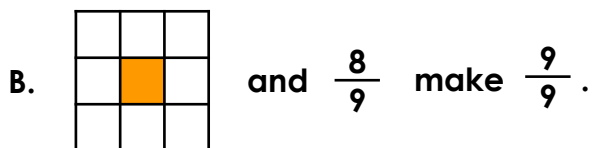
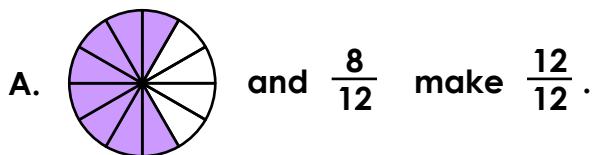
C.



$$\frac{3}{9}$$

VF

6. William has written the fractions that make a whole for each representation.



Has he completed the statements correctly? Explain how you know.

R

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1. Lily: $\frac{4}{6}$, Xander: $\frac{2}{6}$

2. A. $\frac{4}{9}$ and $\frac{5}{9}$ make $\frac{9}{9}$; B. $\frac{1}{4}$ and $\frac{3}{4}$ make $\frac{4}{4}$

3. A. $\frac{4}{6}$; B. $\frac{5}{10}$; C. $\frac{3}{9}$

4. Esme is correct because the fraction number sentence could be: $\frac{2}{8} + \frac{6}{8} = \frac{8}{8}$;

$\frac{4}{8} + \frac{4}{8} = \frac{8}{8}$ or $\frac{6}{8} + \frac{2}{8} = \frac{8}{8}$ as 2, 4, 6 and 8 are all even numbers.

5. Josh Ramona

1 slice 6 slices

2 slices 5 slice

3 slices 4 slices

4 slices 3 slices

5 slices 2 slices

6 slices 1 slice

6. William has completed A incorrectly because $\frac{8}{12}$ of the circle has already been shaded, so the second fraction in his statement should represent the unshaded part of the circle which equals $\frac{4}{12}$. B has been completed correctly as $\frac{1}{9}$ and $\frac{8}{9}$ make a whole.