

18/1/21

Finding the Simplest Fraction

In Focus

A cake is cut into 12 pieces.



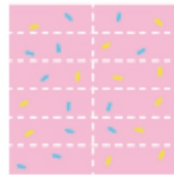
Ruby

I take
3 pieces.



Ravi

I take
4 pieces.



I take
2 pieces.

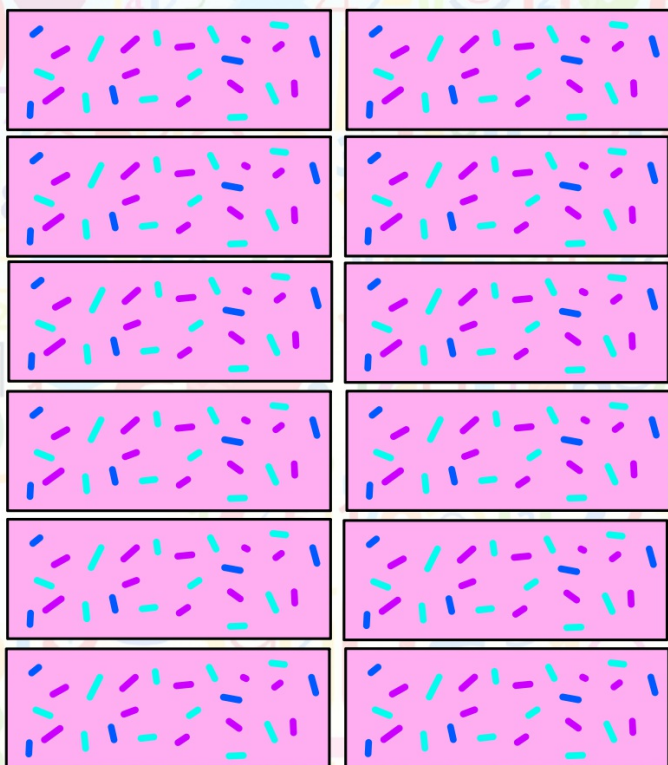


Lulu

Can we figure out what fraction of the cake each person takes?

What will the denominator be?

What will the numerator be?

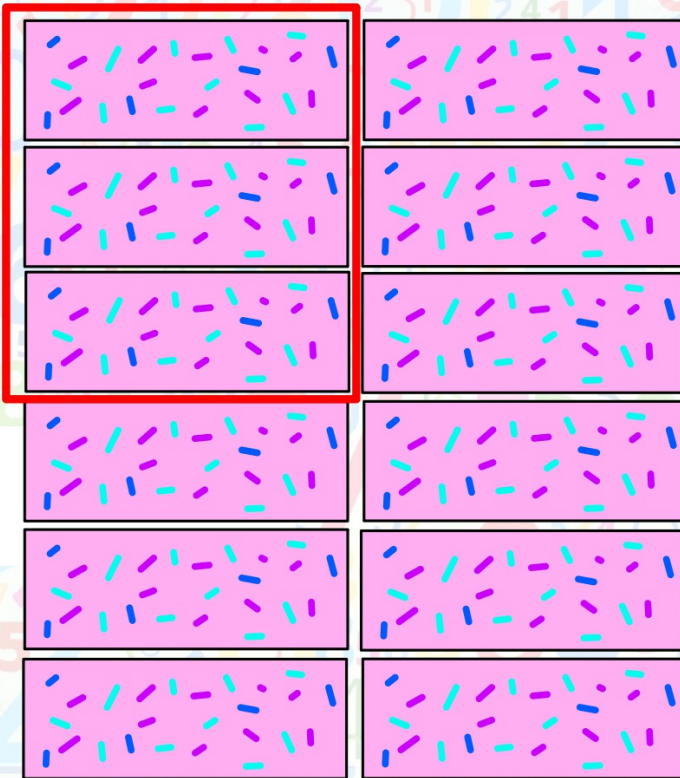


Altogether,
are 12 piece



Watch video clip "Explanation 1"

I can use 3 pieces to make 1 part.



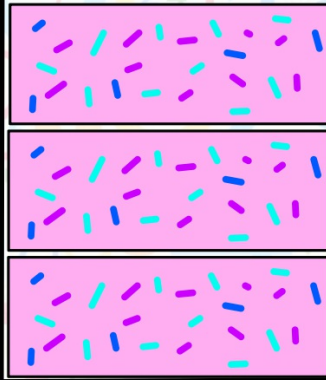
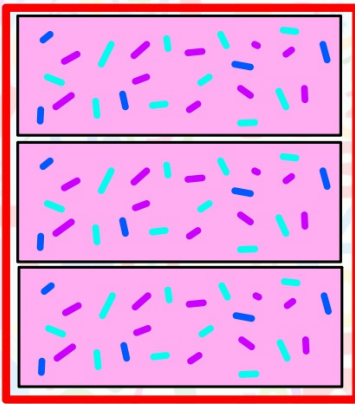
$\frac{3}{12}$ is one part

I can use 3 pieces to make 1 part.



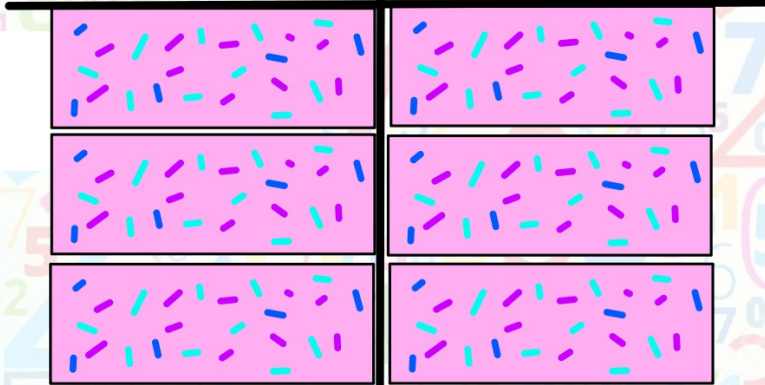
I can make 4 parts from the 12 pieces.

I can use 3 pieces to make 1 part.



So

$$\frac{3}{12} = \frac{1}{4}$$



Let's Learn

1



$$3 \text{ pieces} = \frac{3}{12}$$

$$3 \text{ pieces} = \frac{1}{4}$$

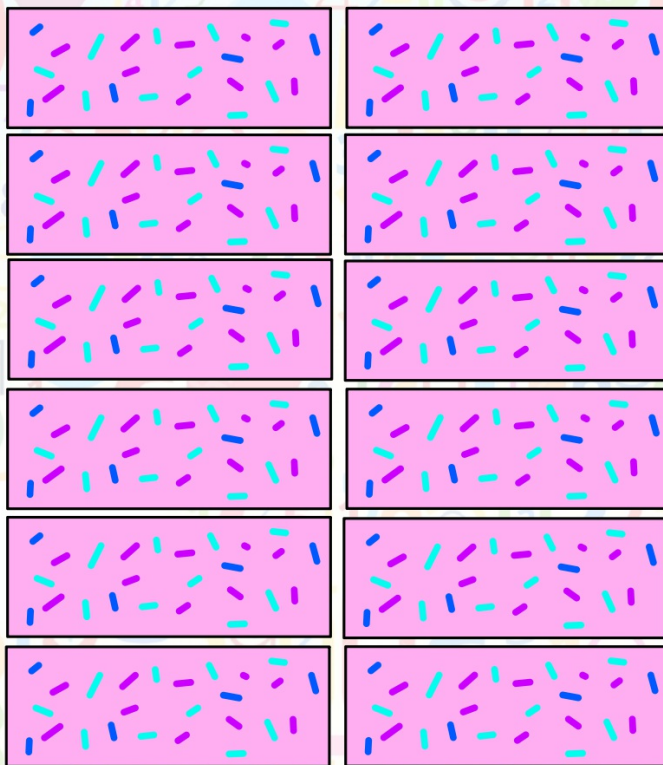
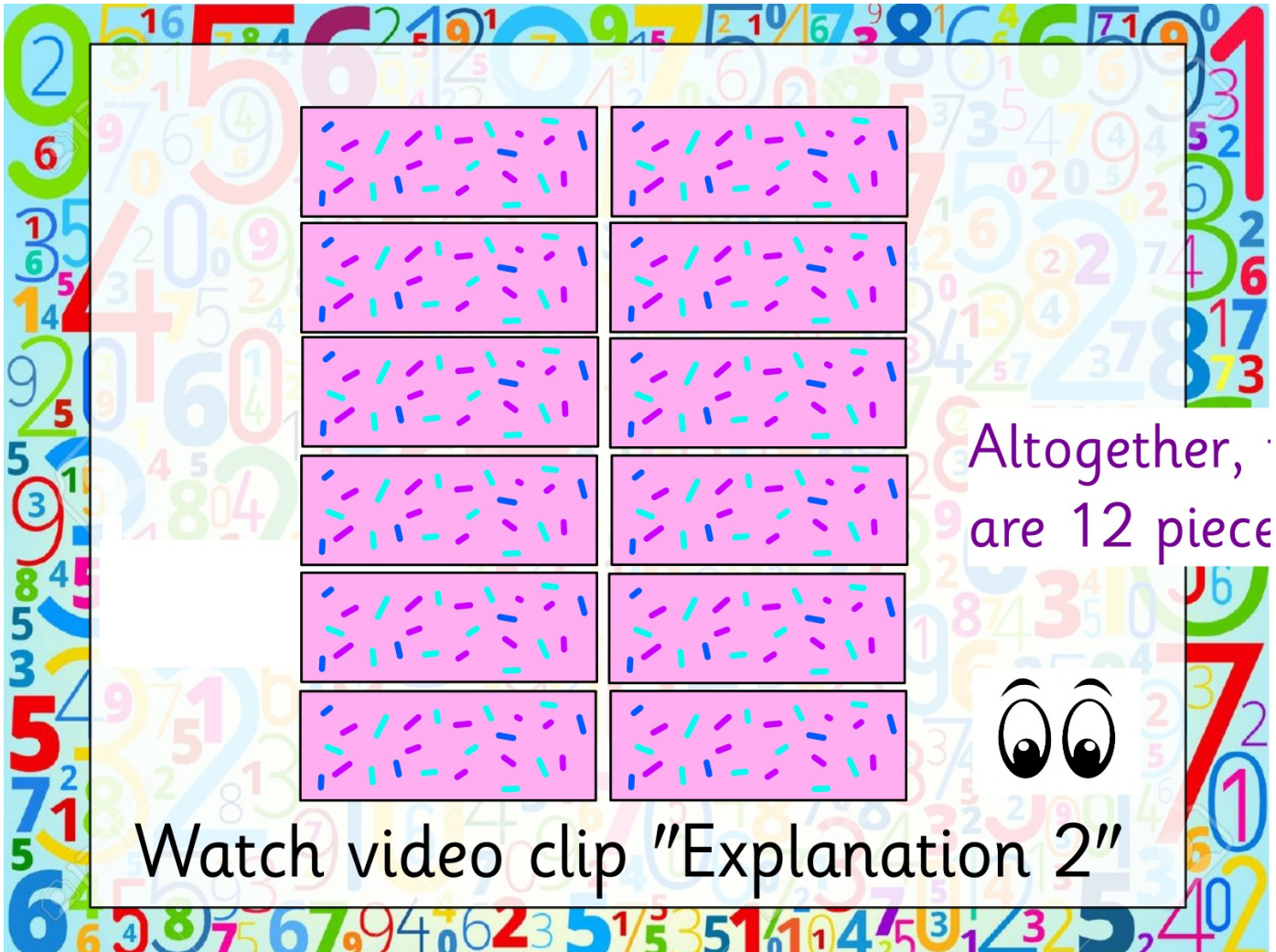


$$\frac{3}{12} = \frac{1}{4}$$

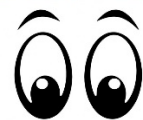
Ruby takes $\frac{1}{4}$ of the cake.

When 3 pieces become 1 part, 12 pieces become 4 parts.

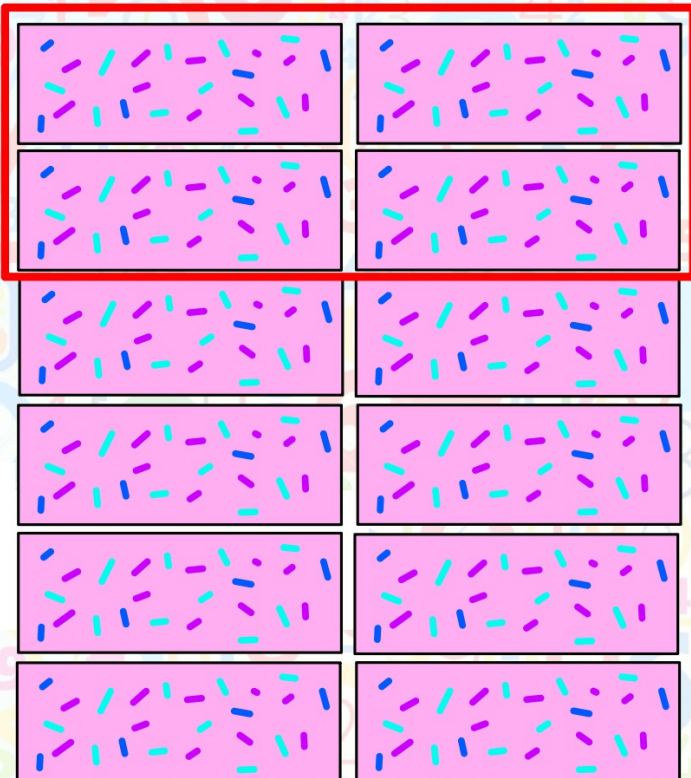




Altogether,
are 12 piece

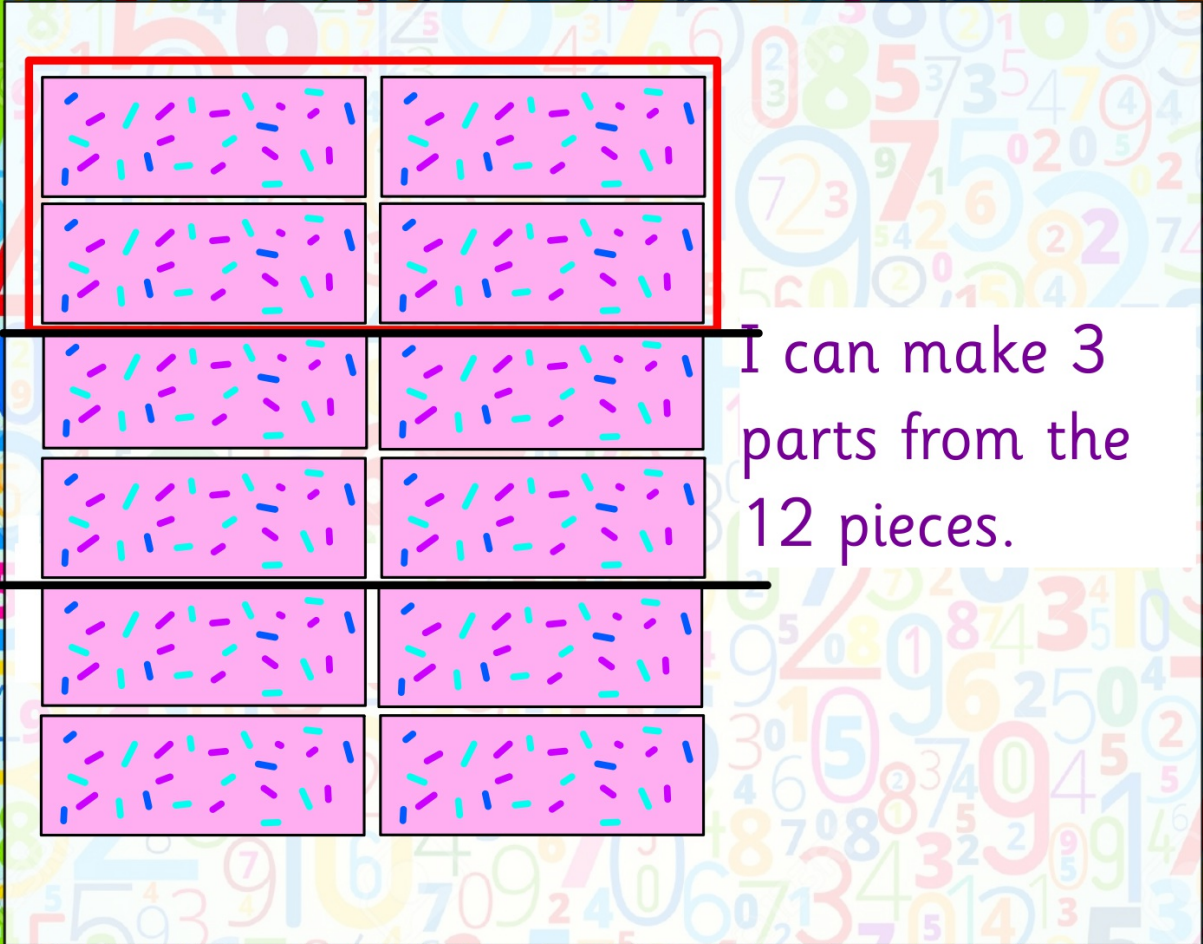


Watch video clip "Explanation 2"

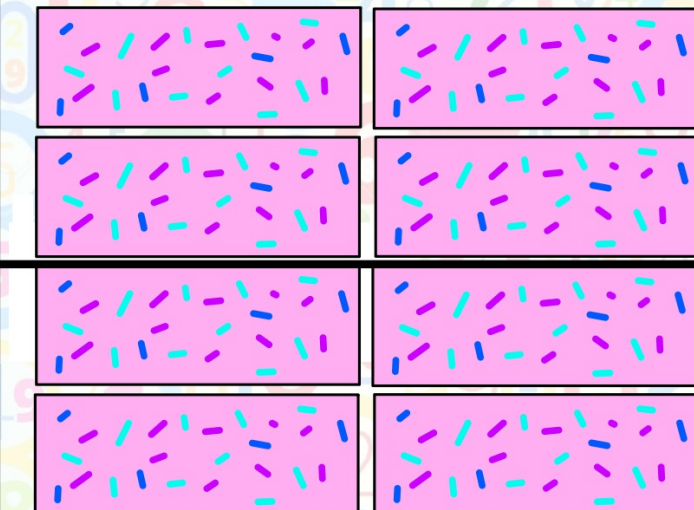
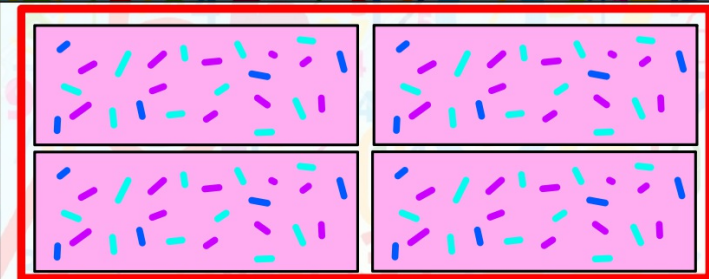


I could also use
4 pieces to
make 1 part.

$$\frac{4}{12} \text{ is one part}$$



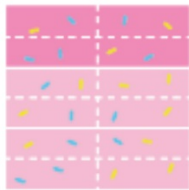
I can make 3 parts from the 12 pieces.



So

$$\frac{4}{12} = \frac{1}{3}$$

2



$$4 \text{ pieces} = \frac{4}{12}$$



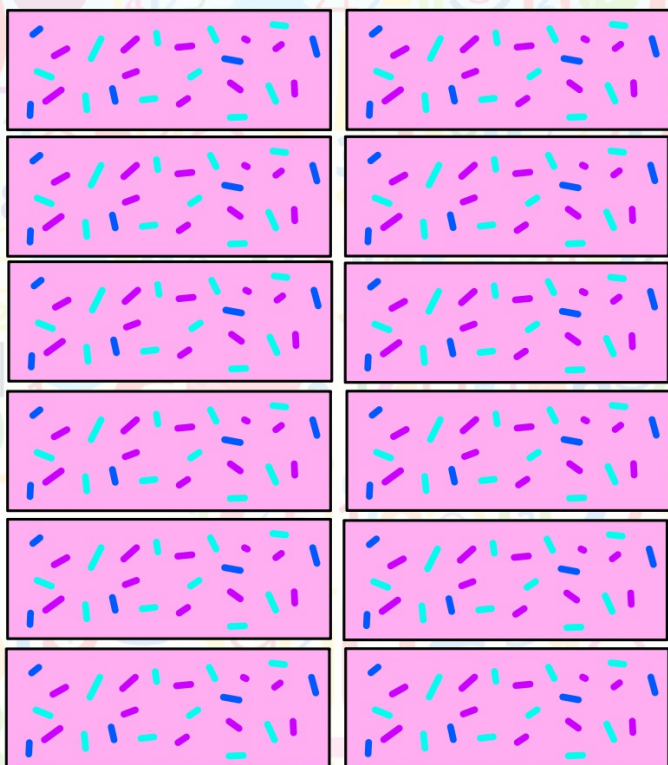
$$1 \text{ piece} = \frac{1}{3}$$

$$\frac{4}{12} = \frac{1}{3}$$

Ravi takes $\frac{1}{3}$ of the cake.

When 4 pieces become 1 part, 12 pieces become 3 parts.

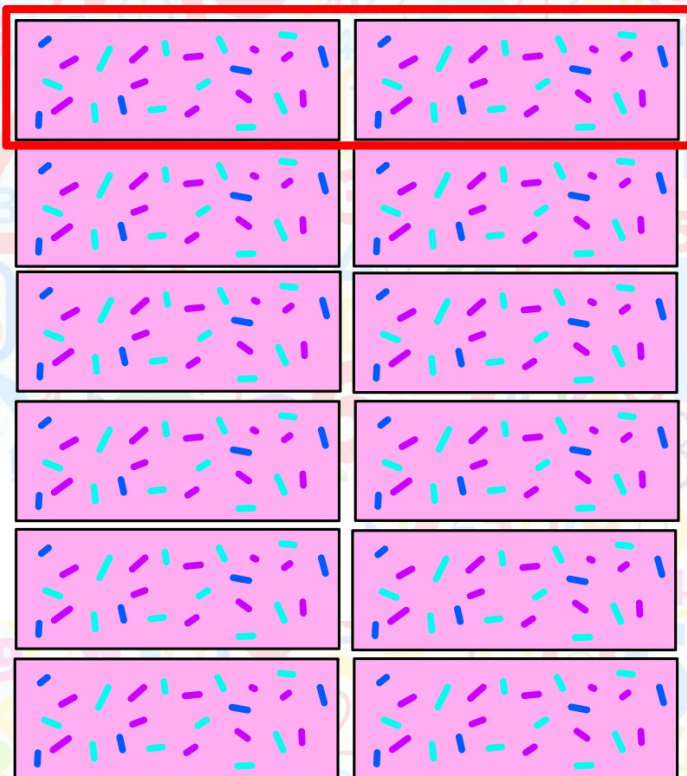




Altogether,
are 12 piece

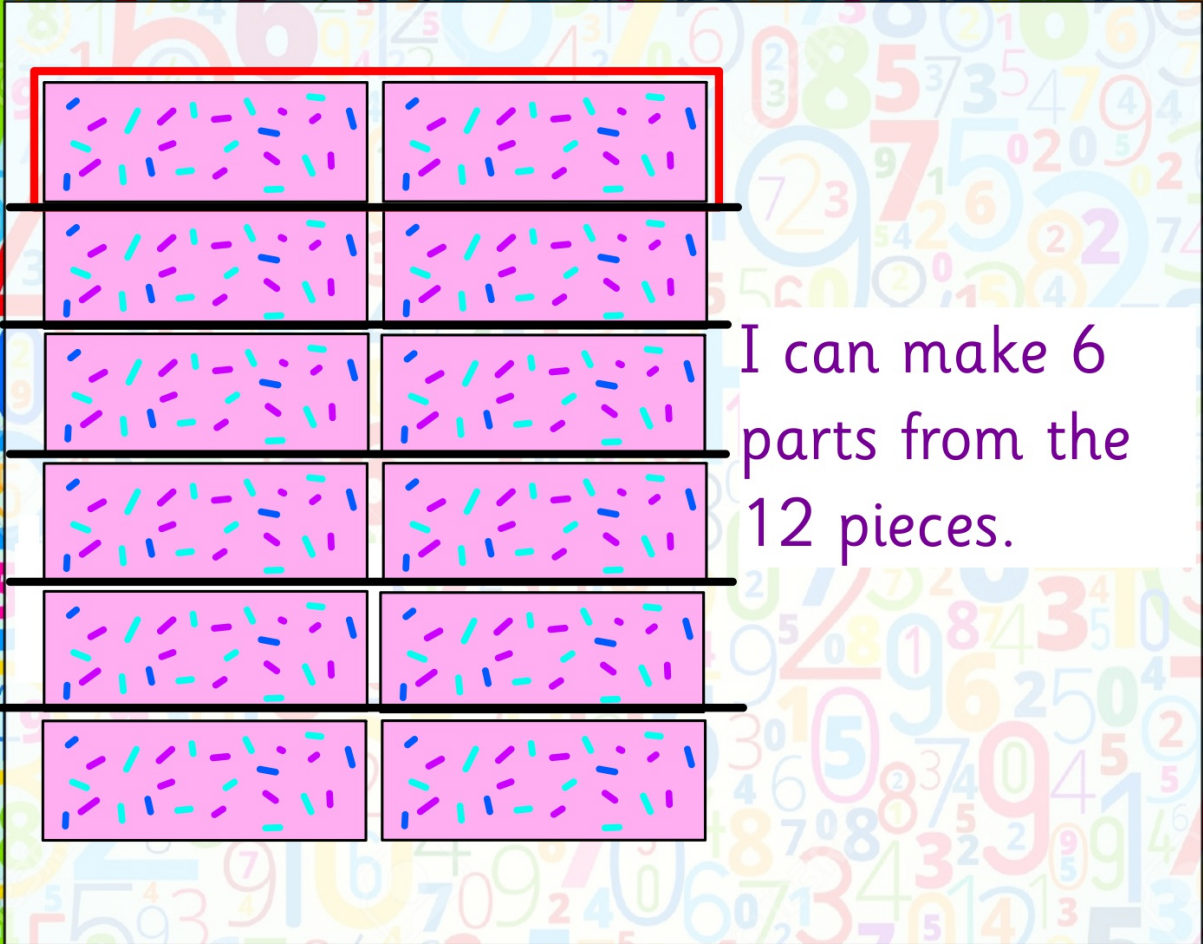


Watch video clip "Explanation 3"



I could also use
2 pieces to
make 1 part.

$$\frac{2}{12} \text{ is one part}$$



I can make 6 parts from the 12 pieces.



So

$$\frac{2}{12} = \frac{1}{6}$$

3



$$2 \text{ pieces} = \frac{2}{12}$$



$$1 \text{ piece} = \frac{1}{12}$$

$$\frac{2}{12} = \frac{1}{6}$$

Lulu takes $\frac{1}{6}$ of the cake.

When 2 pieces become 1 part, 12 pieces become 6 parts.



Finding the Simplest Fraction

A cake is divided into 12 pieces.
Find the fraction of the cake each person takes.

(a)



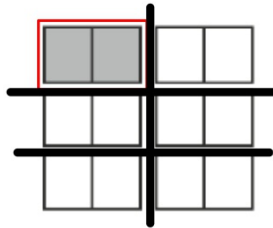
$$\frac{4}{12} = \boxed{\quad}$$



(b)



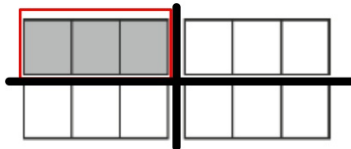
$$\frac{2}{12} = \boxed{\quad}$$



(c)



$$\frac{3}{12} = \boxed{\quad}$$



Complete this worksheet.

Watch video clip "Explanation 4" 🙄🙄

