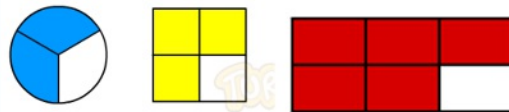




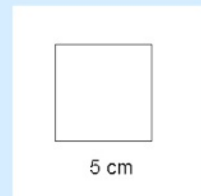
05.02.21

1ALT: explore equivalent fractions.

Are these unit or non-unit fractions?



What is the area?



Bus Stop Division: $662 \div 3$

Challenge:



Short Multiplication: 322×7

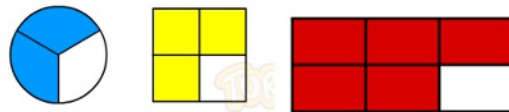
<https://www.topmarks.co.uk/maths-games/daily10>



05.02.21

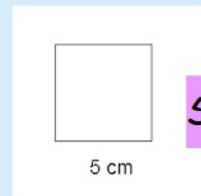
1ALT: explore equivalent fractions.

Are these unit or non-unit fractions?



Non-unit

What is the area?



$$5\text{cm} \times 5\text{cm} = 25\text{cm}$$

Bus Stop Division: $662 \div 3$ 220r2

2254

Short Multiplication: 322×7

Challenge:



11:30 or half past 11

<https://www.topmarks.co.uk/maths-games/daily10>

Daily Counting

halves

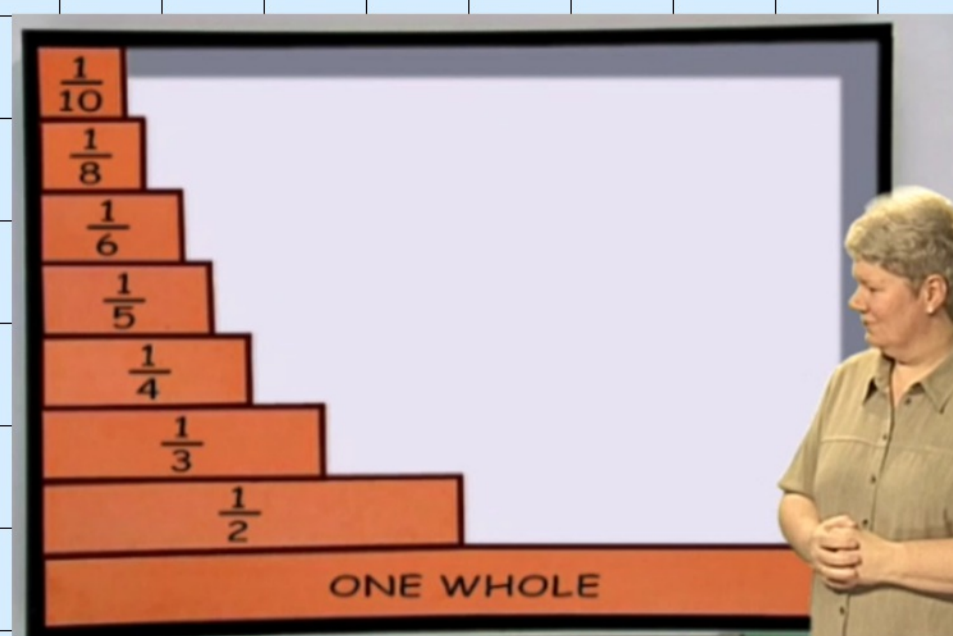
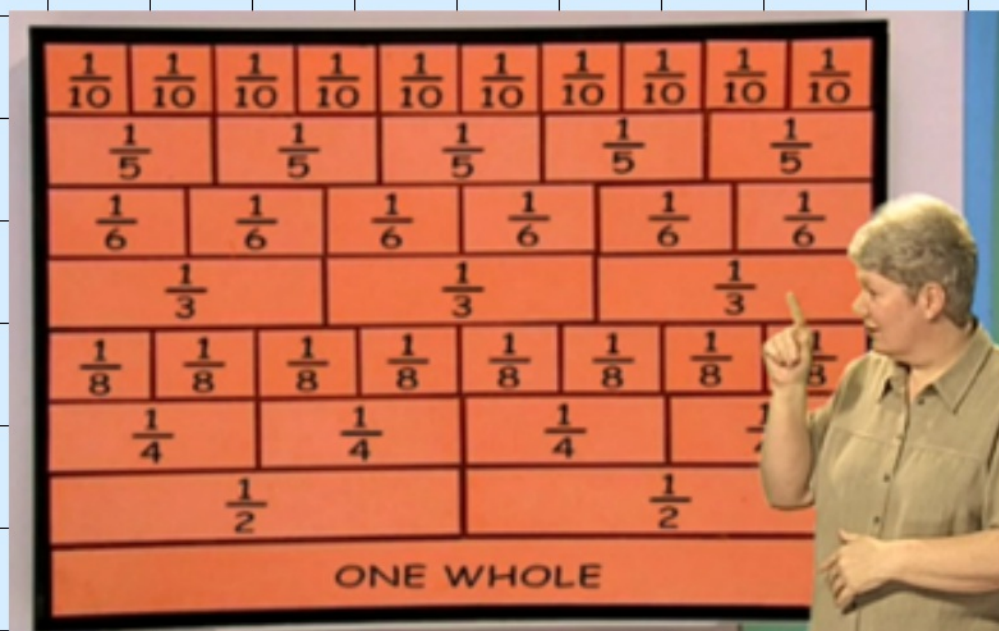
thirds

tenths



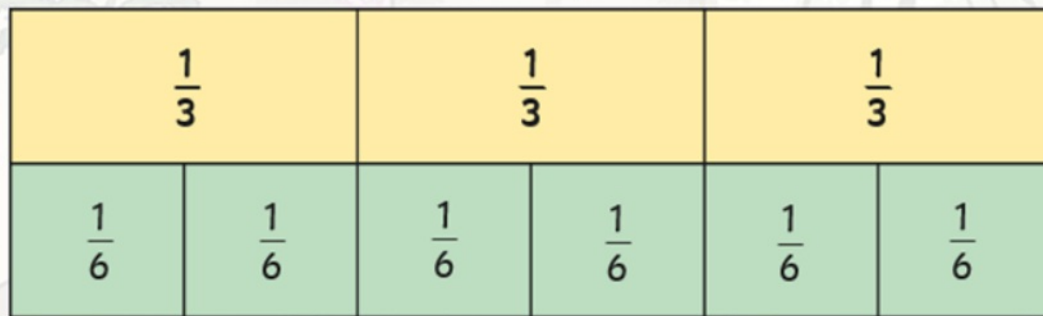
<https://www.bbc.co.uk/bitesize/clips/z46pvcw>

What does equivalent mean?

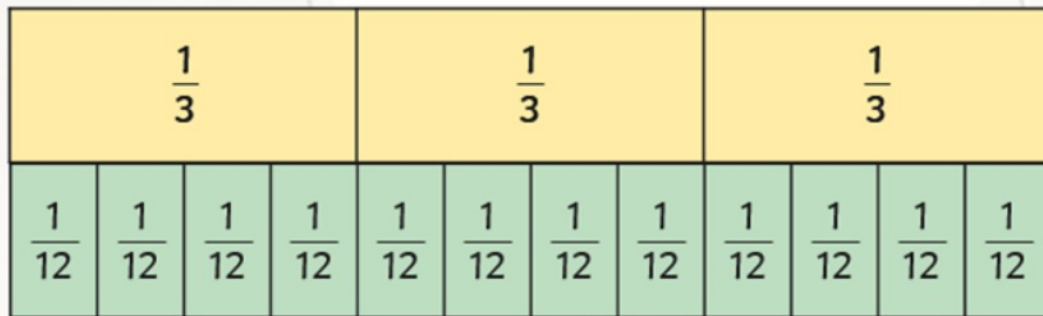


What patterns can you spot?

What equivalent fractions can you spot?

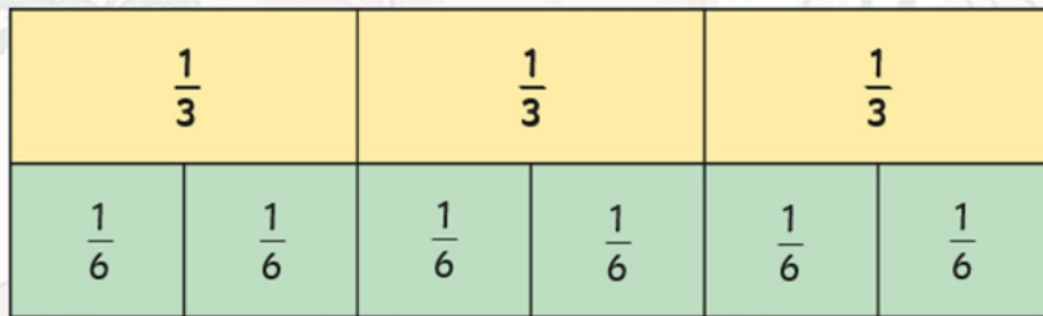


$$\frac{1}{3} = \frac{2}{6}$$

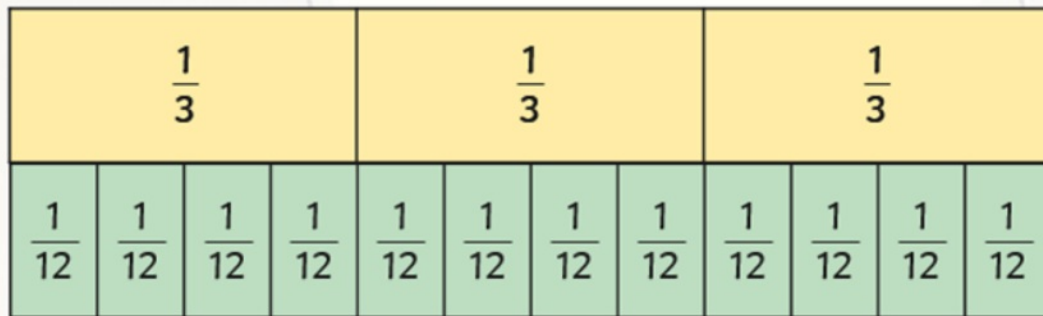


$$\frac{1}{3} = \frac{4}{12}$$

What equivalent fractions can you spot?

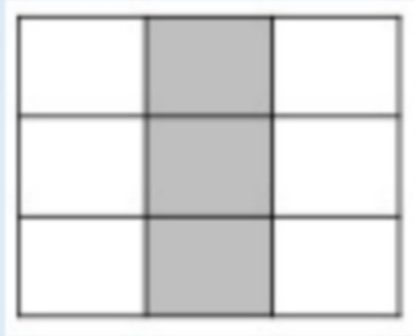


$$\frac{1}{3} = \frac{2}{6}$$

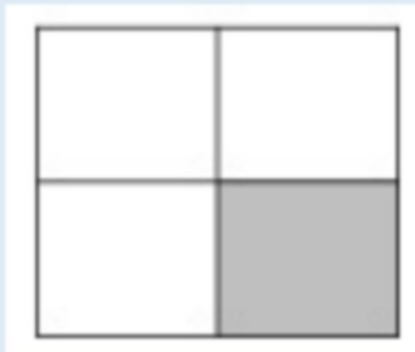


$$\frac{1}{3} = \frac{4}{12}$$

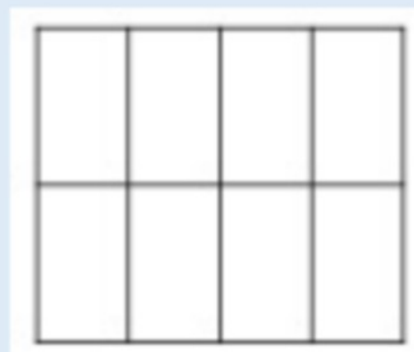
How can we shade these shapes to show equivalent fractions?



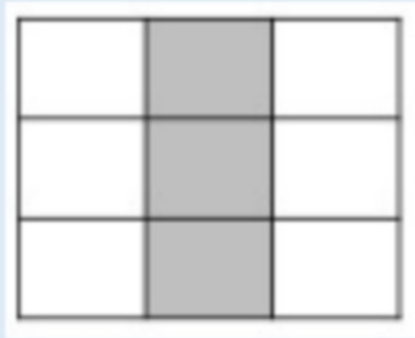
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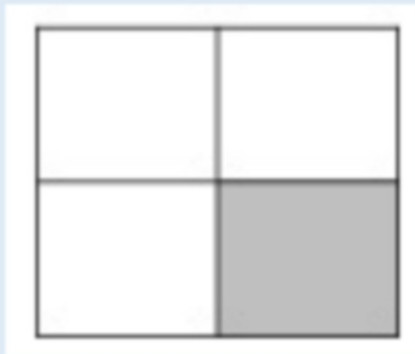
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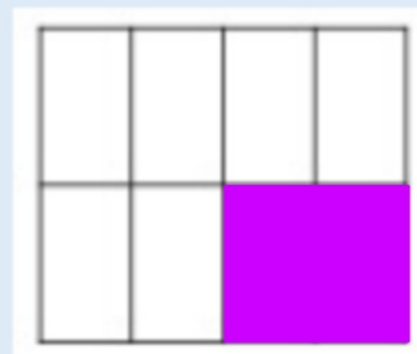
How can we shade these shapes to show equivalent fractions?



=



=



Jim and Ginger are wrapping presents. They are disagreeing. Every time they share out the strips of ribbon, one person always has one more piece of ribbon than the other.



$$\frac{1}{6}$$

$$\frac{1}{3}$$

$$\frac{1}{6}$$

$$\frac{1}{3}$$

$$\frac{1}{6}$$

$$\frac{1}{6}$$

$$\frac{1}{6}$$

$$\frac{1}{6}$$

$$\frac{1}{3}$$

Using your knowledge of equivalent fractions, solve the problem.

This problem is about having the same fractional amounts of ribbon not the same number of parts of ribbon.

Let's sort the ribbons into the fraction types.

$$\frac{1}{6}$$

$$\frac{1}{6}$$

$$\frac{1}{3}$$

$$\frac{1}{6}$$

$$\frac{1}{6}$$

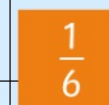
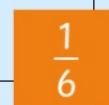
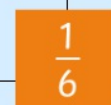
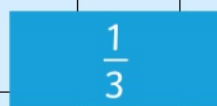
$$\frac{1}{6}$$

$$\frac{1}{3}$$

$$\frac{1}{6}$$

$$\frac{1}{3}$$





Now, if we put them together you can make 2 whole ribbons.



Therefore, one person should have 6 sixths of ribbon and the other person should have 3 thirds.

This means they will both have one whole ribbon.

$$\frac{1}{6} \quad \frac{1}{6} \quad \frac{1}{6} \quad \frac{1}{6} \quad \frac{1}{6} \quad \frac{1}{6}$$

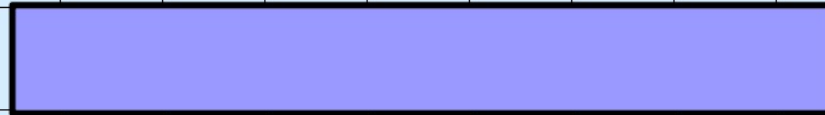
$$\frac{1}{3} \quad \frac{1}{3} \quad \frac{1}{3}$$

MILD:

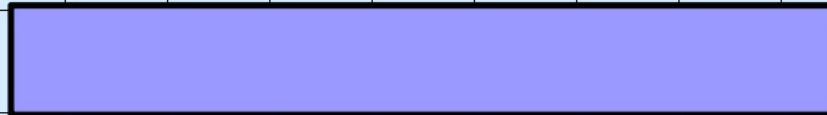
TASK: Can you cut 4 strips of paper of EQUAL sizes.

Follow the steps below and finish the sentences.

1 whole

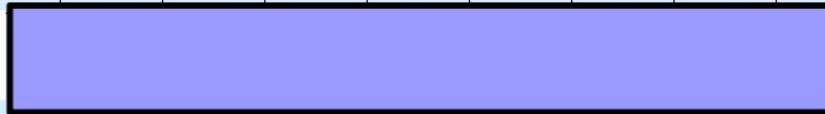


FOLD in half



I noticed that

FOLD in quarters



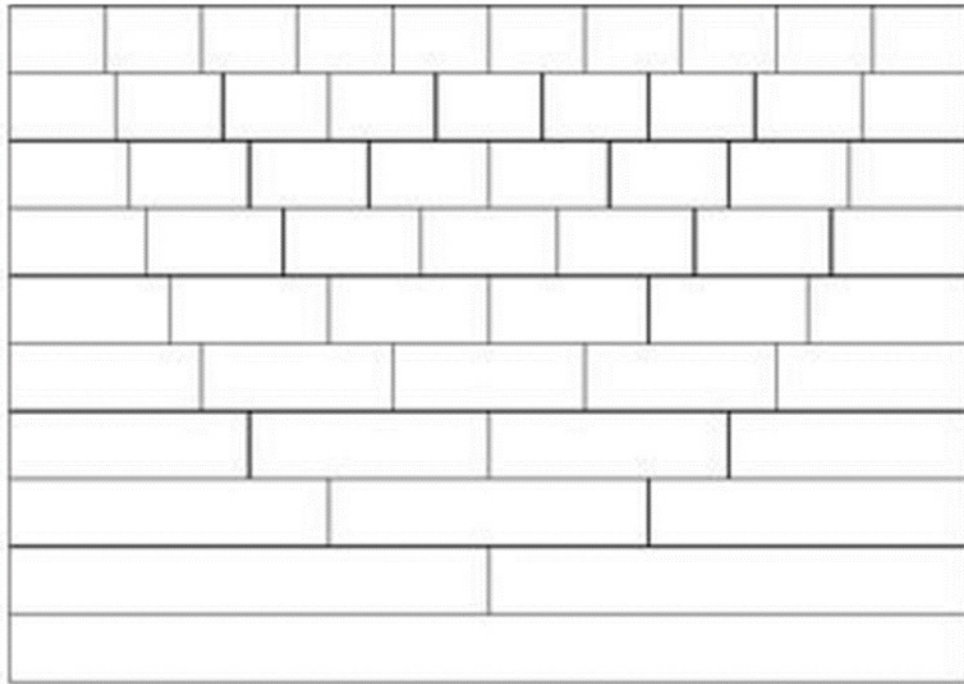
This is because

FOLD in eighths



SPICY:

TASK: Draw and fill in a fraction wall, then answer questions below.



$\frac{1}{3}$ is equivalent to ____

$\frac{1}{3}$

$1 =$

$\frac{1}{3}$

How many equivalent fractions can you find?

What pattern do you notice about the numerator and the denominator? Can you explain this? I noticed that ____

Extension:

Eva says,



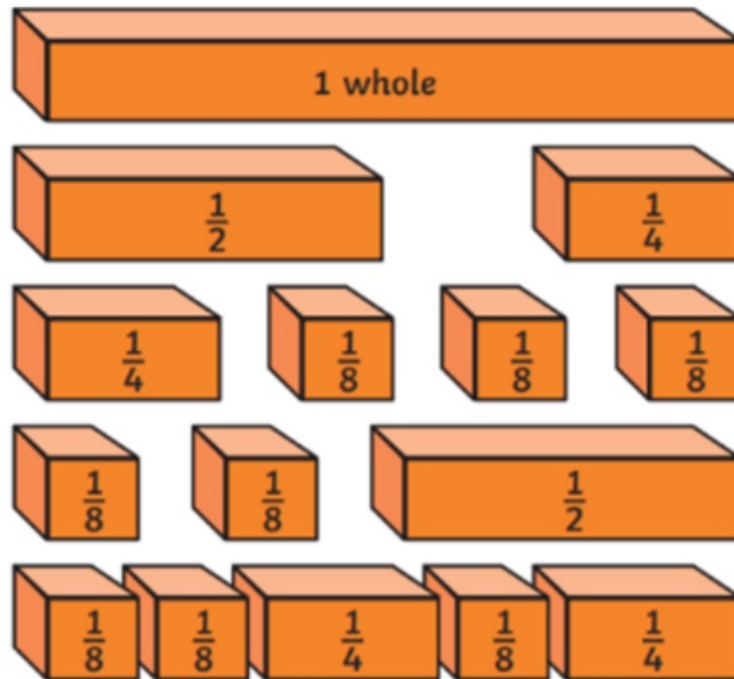
I know that $\frac{3}{4}$ is equivalent to $\frac{3}{8}$ because the numerators are the same.

Is Eva correct? Explain why.

HHH:

Mr Humpty and Mrs Humpty want to build their own brick walls but can't share fairly. Every time they divide these bricks between the two of them, one person always has one more brick than the other.

Use your knowledge of equivalent fractions to solve the problem.

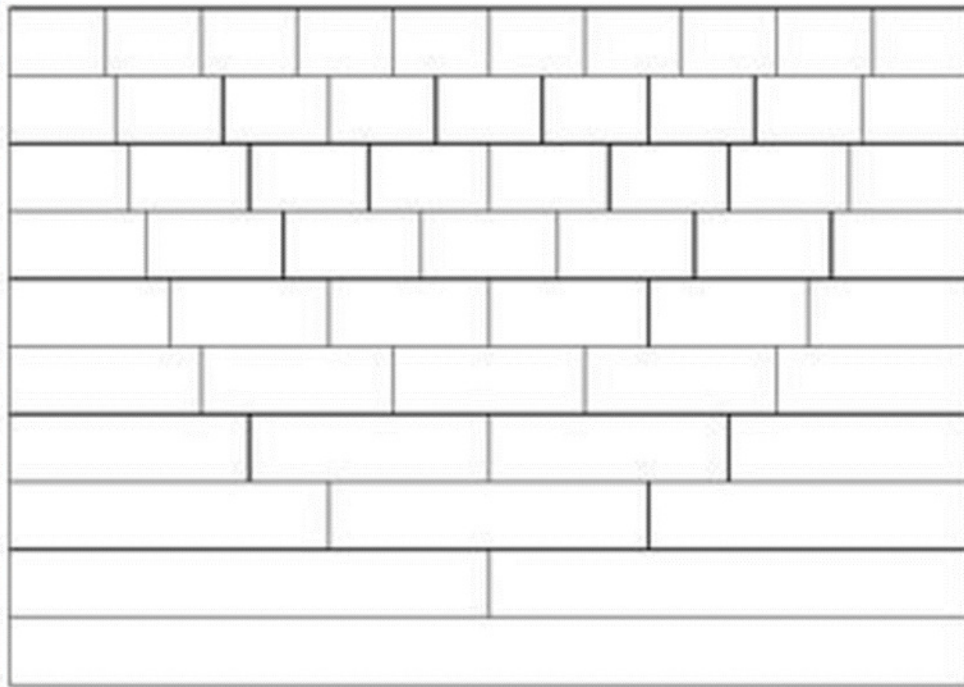


ANSWER
PROVE
EXPLAIN!

There are 15 bricks. They each want to build their own wall. How can they do this fairly?

ANSWERS:

TASK: Draw and fill in a fraction wall, then answer questions below.



$\frac{1}{3}$ is equivalent to ____

$$\frac{1}{3} = \frac{2}{6}$$

No because the numerators will not be the same.

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

Extension:

What pattern do you notice about the numerator and the denominator? Can you explain this? I noticed that _____

Eva says,



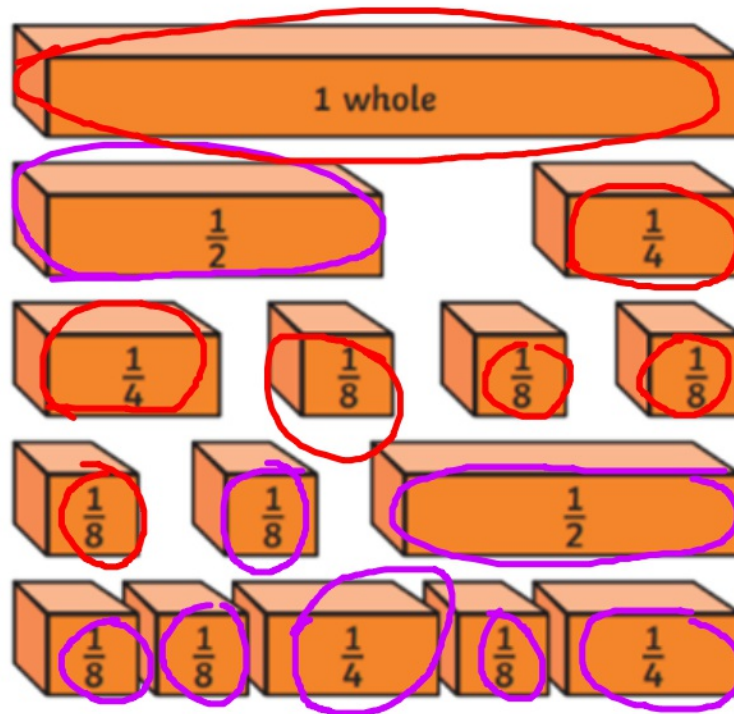
I know that $\frac{3}{4}$ is equivalent to $\frac{3}{8}$ because the numerators are the same.

Is Eva correct? Explain why.

ANSWERS: HHH:

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ANSWER
PROVE
EXPLAIN!

There are 15 bricks. They each want to build their own wall. How can they do this fairly?