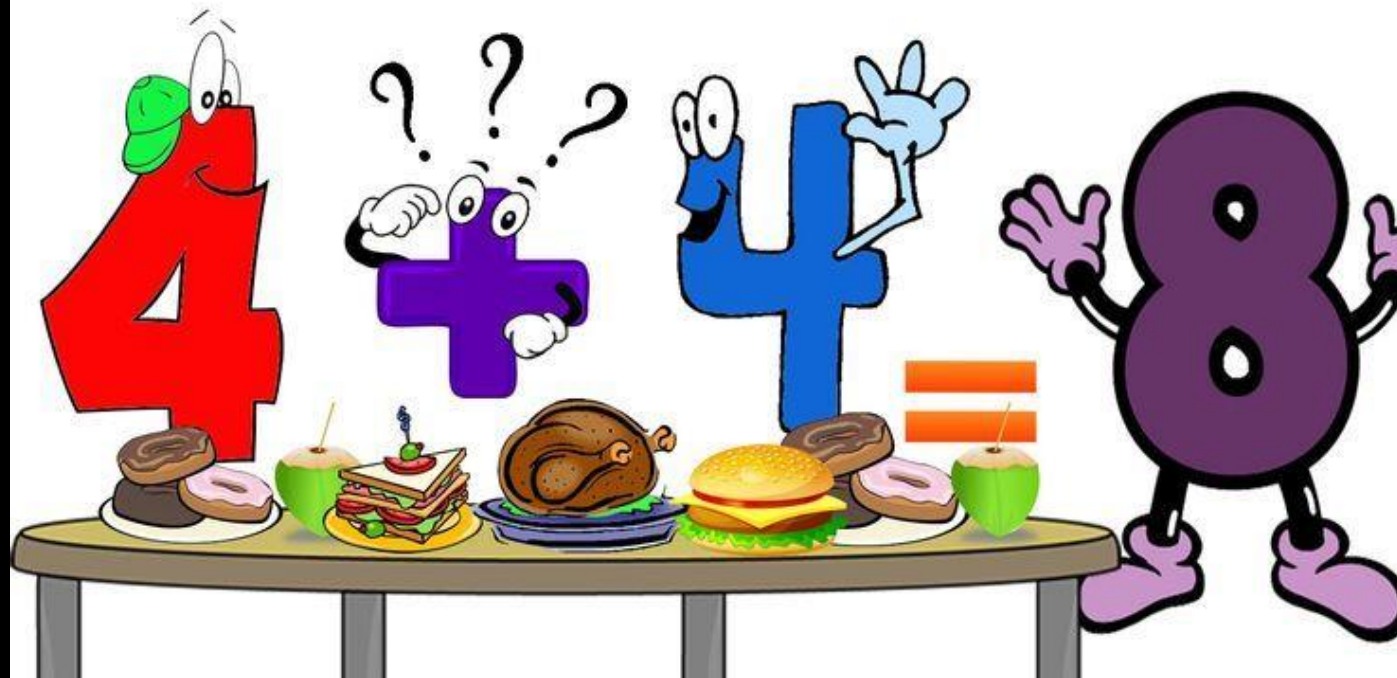
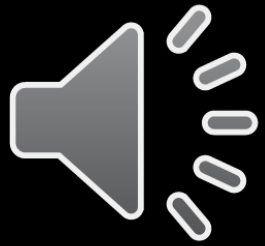


MATH REVIEW

Why didn't the two 4's feel like dinner?
Because they already 8.



MISTAKES
are proof
that you are
TRYING



35×78

MULTIPLICATION

	30	5
70	$70 \times 30 = 2100$	$70 \times 5 = 350$
8	$8 \times 30 = 240$	$8 \times 5 = 40$

$$\begin{array}{r} 2100 \\ 350 \\ + 240 \\ \quad 40 \\ \hline 2,730 \end{array}$$

DIVISIÓN

$$6,782 \div 7$$

List the multiples of the
divisor (7)

- 7
- 14
- 21
- 28
- 35
- 42 (7 x 6)
- 49
- 56 (7 x 8)
- 63 (7 x 9)

$$\begin{array}{r} 968 \text{ r } 6 \\ 7 \overline{) 6782} \\ \underline{-6300} \\ 482 \\ \underline{-420} \\ 62 \\ \underline{-56} \\ \textcircled{6} \end{array}$$



Write the equations as
you go...

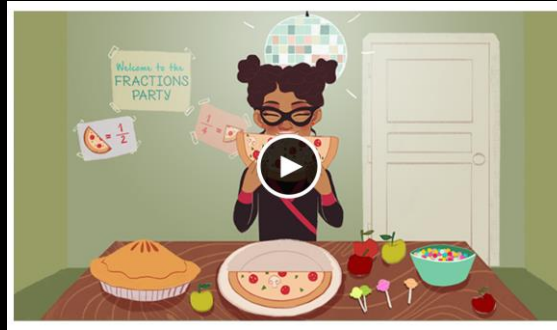
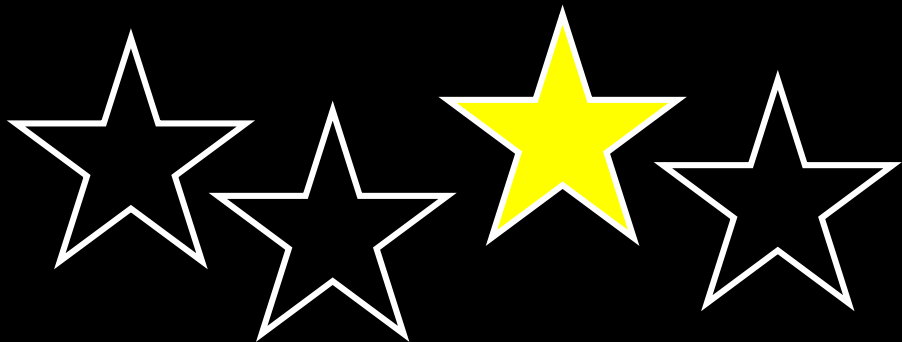
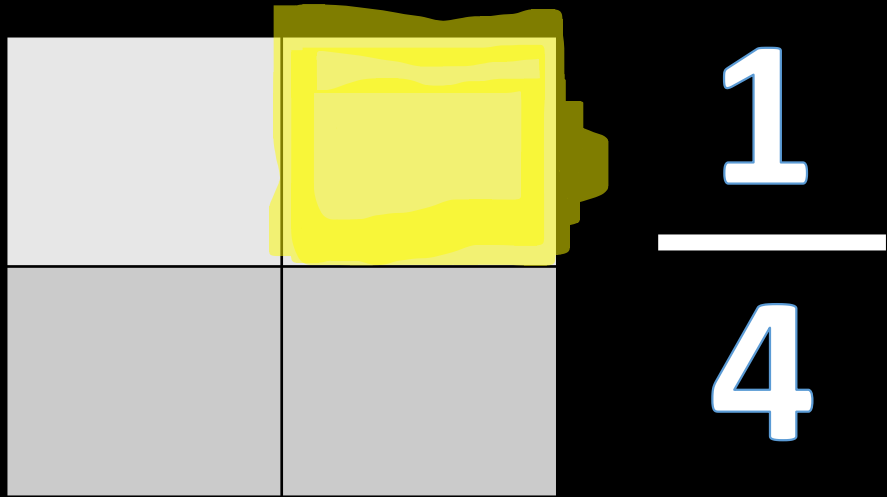
$$7 \times 900 = \underline{6300}$$

$$7 \times 60 = \underline{420}$$

$$7 \times 8 = \underline{56}$$

What is a fraction?

It is a number that represents equal parts of a WHOLE or a set of objects.



Fractions

Have students go to Flocabulary, using class code, 9SGQRG, to watch this video to review fractions.

<https://www.flocabulary.com/unit/fractions/>



Numerator

the number of parts counted/shaded

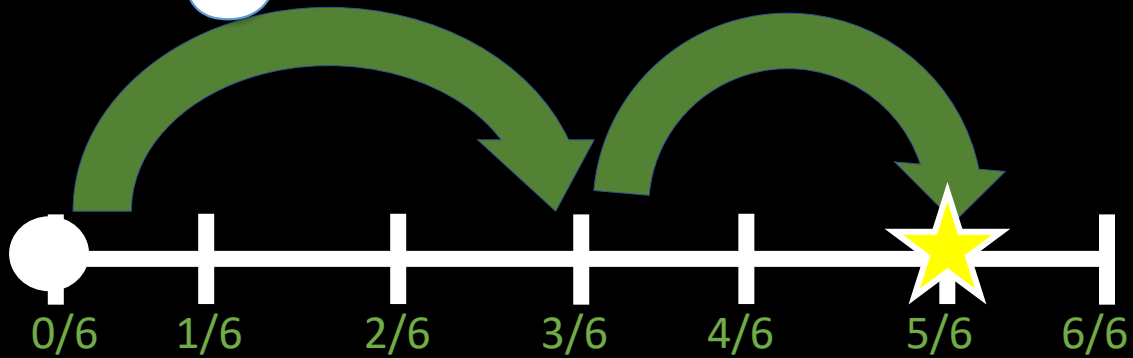


Denominator

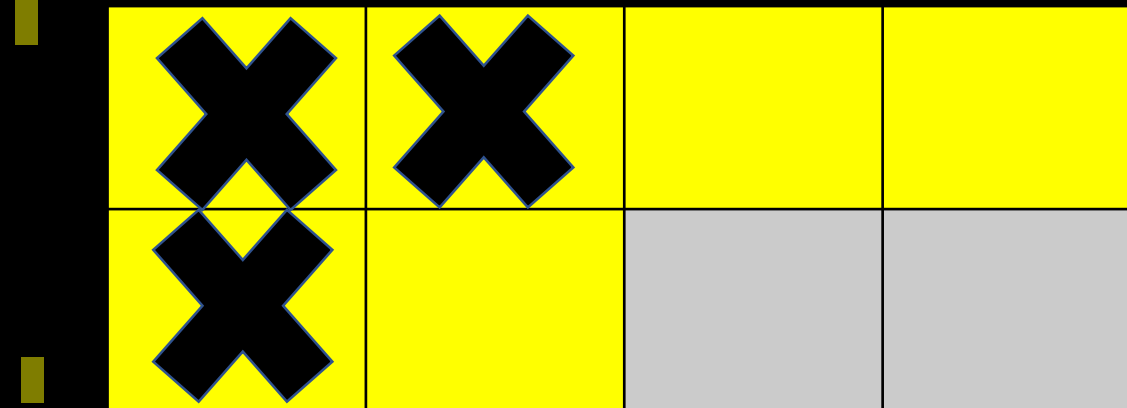
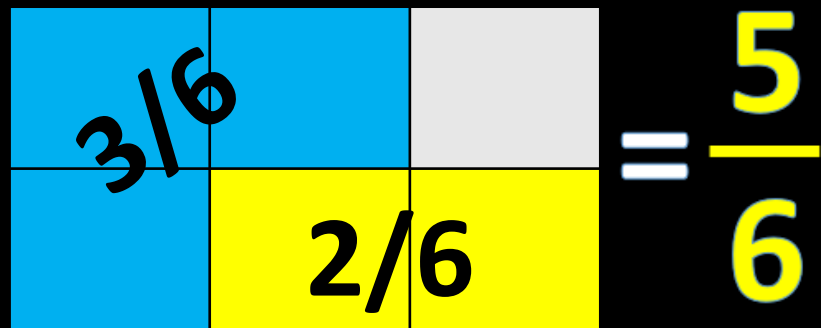
the total number of equal parts

ADDING/SUBTRACTING FRACTIONS

$$\frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

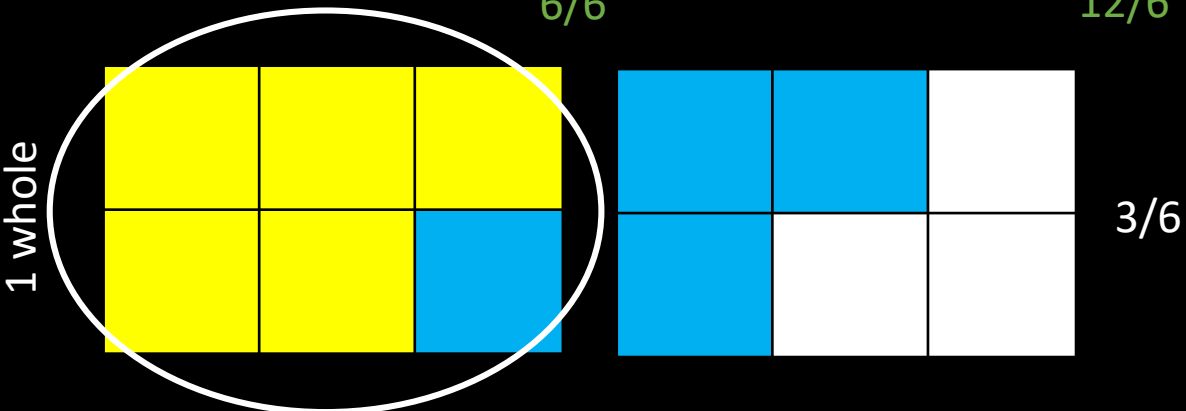
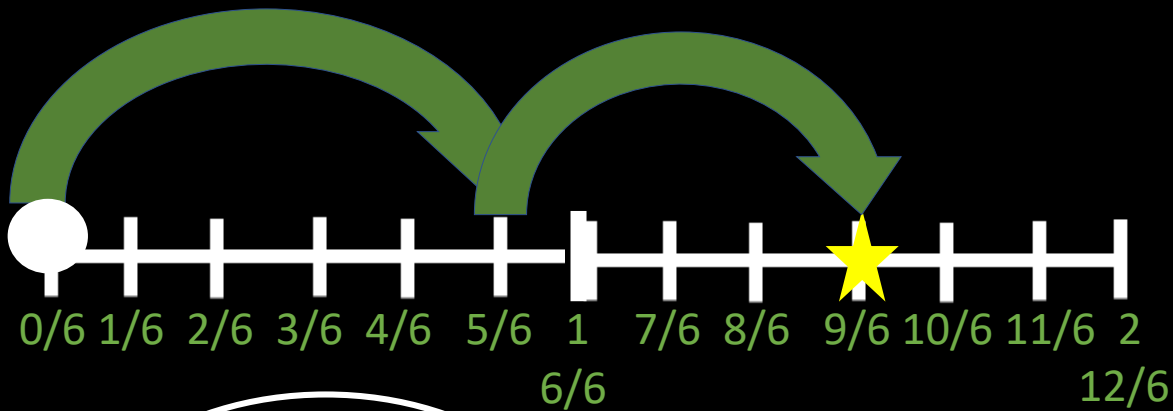


$$\frac{6}{8} - \frac{3}{8} = \frac{3}{8}$$



ADDING/SUBTRACTING FRACTIONS

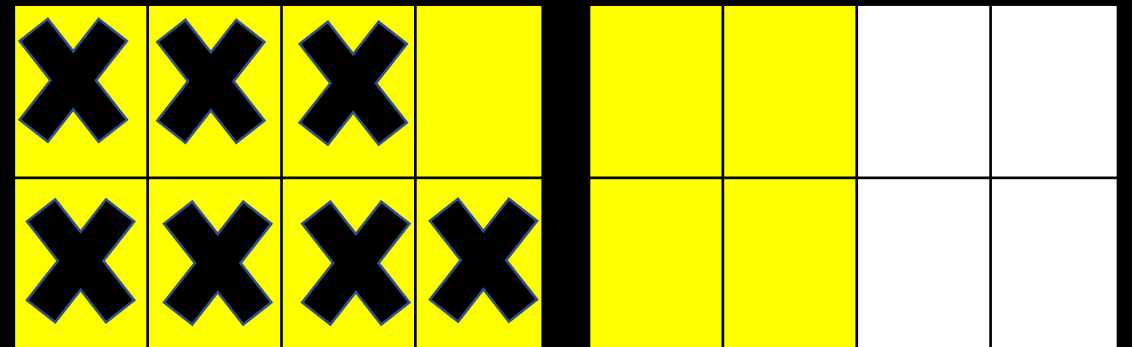
$$\frac{5}{6} + \frac{4}{6} = \frac{9}{6} \rightarrow 1\frac{3}{6}$$



$$1\frac{4}{8} - \frac{7}{8} = \frac{5}{8}$$

OR

$$\frac{12}{8}$$

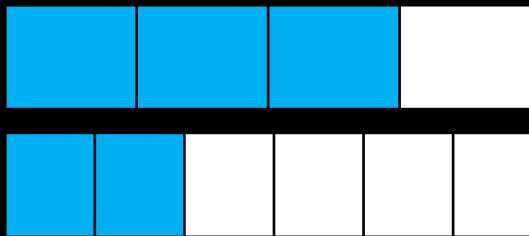


COMPARING FRACTIONS



< LESS THAN, > GREATER THAN, = EQUAL TO

$$\frac{3}{4} > \frac{2}{6}$$

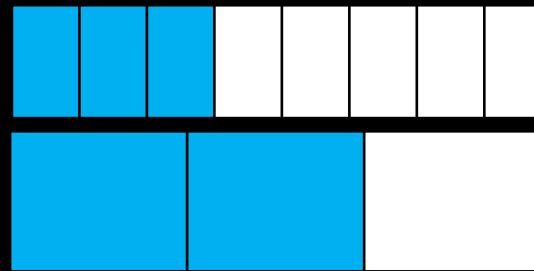


Which one is closer to filling the whole?

There is a larger amount shaded in $\frac{3}{4}$. It is closer to a whole.

$\frac{3}{4}$ is greater than $\frac{2}{6}$.

$$\frac{3}{8} < \frac{2}{3}$$



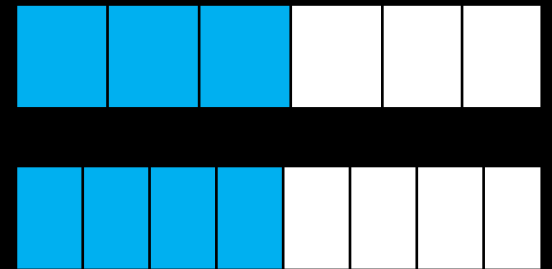
Which one is closer to filling the whole?

There is more pieces shaded in $\frac{3}{8}$, but $\frac{2}{3}$ has larger pieces and is closer to a whole.

*Remember the open side needs to be "eating" the bigger number/fraction.

$\frac{3}{8}$ is less than $\frac{2}{3}$.

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

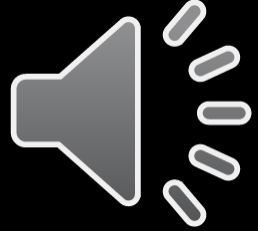


Which one is closer to filling the whole?

There is the same amount filled in so these fractions are equal.

$\frac{3}{6}$ is equal to $\frac{4}{8}$.

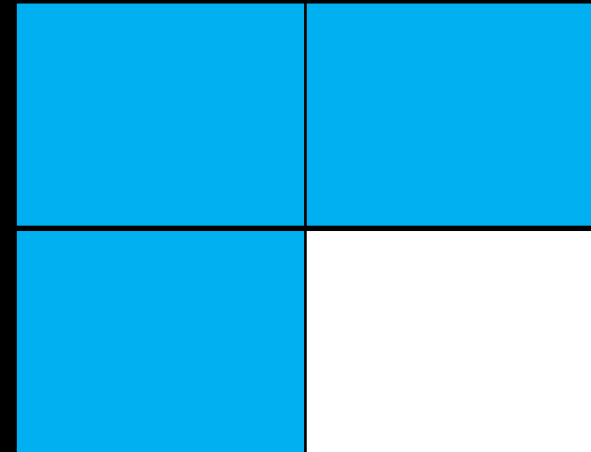
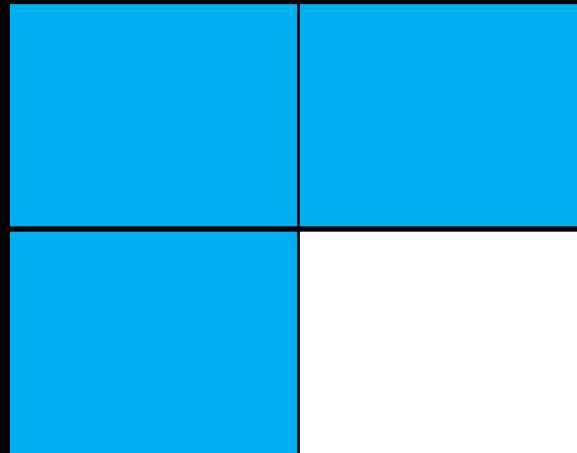
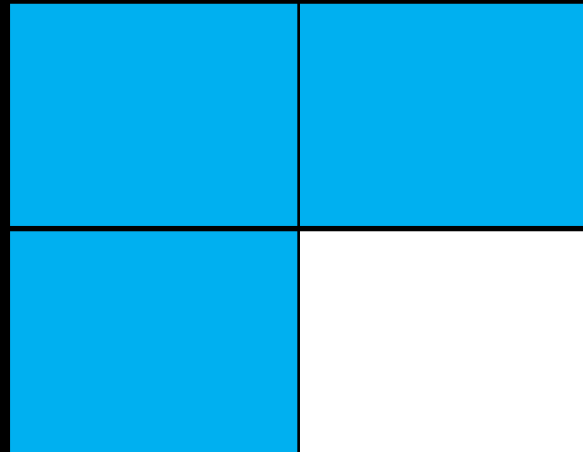
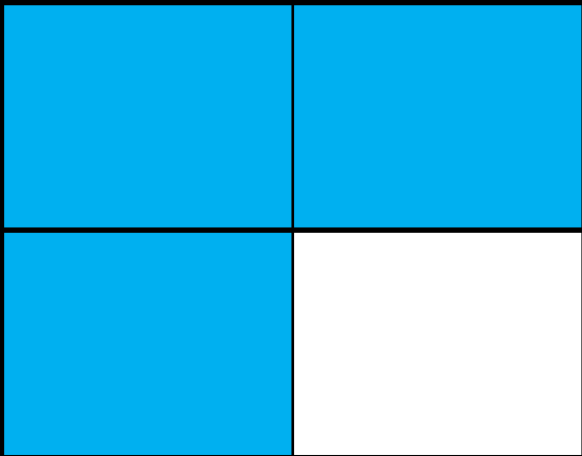
MULTIPLYING FRACTIONS



$$4 \times \frac{3}{4}$$

Four groups of $\frac{3}{4}$

Add all the parts (blue) together and get $\frac{12}{4}$ which converts to 3 wholes.

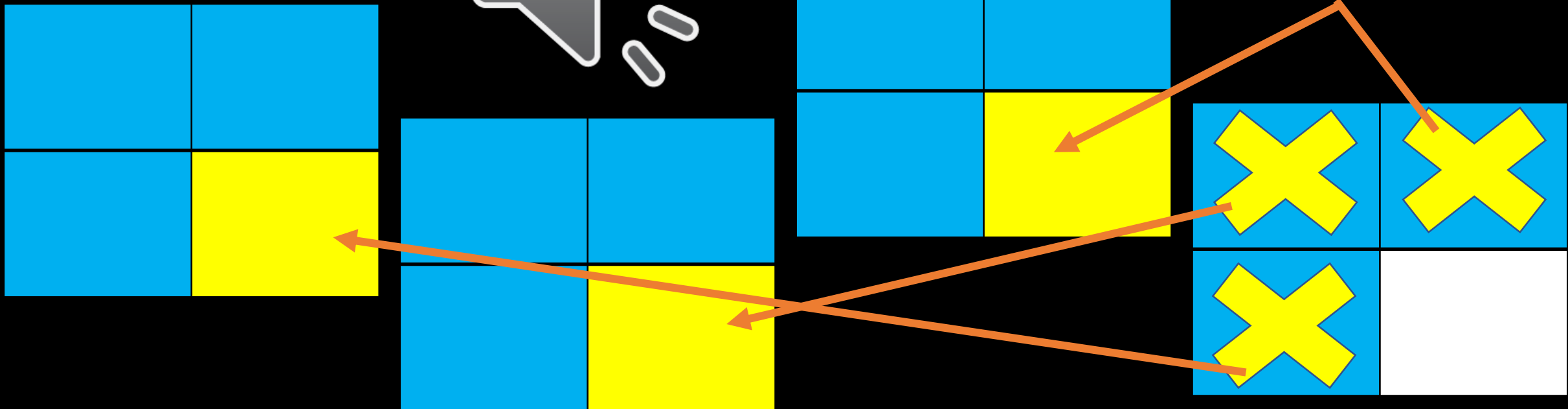


OR

$$4 \times \frac{3}{4}$$

Four groups of $\frac{3}{4}$

You can fill in the empty parts to create as many wholes as you can. You will see that you can take 3 parts from the last model and place $\frac{1}{4}$ in each of the other models to create 3 wholes.



WORD PROBLEMS

Workers at the Speedy Clean Car Wash washed 24 vehicles on Sunday. One-sixth of the vehicles were trucks. How many trucks did they wash on Sunday?

$$24 \times \frac{1}{6}$$



1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6
1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/6

They washed 4 trucks on Sunday.

*Don't forget to use our cubes strategy 😊

C Circle key numbers & units
What do I know?

U Underline the question
What am I being asked to solve?

B Box math clue words
Am I going to +, -, x, or ÷?

E Evaluate and Eliminate
What steps do I take?
What information don't I need?

S Solve and Show your work
Does my answer make sense?
How can I double check?

Crafted by
© Amanda Cook

DECIMALS

A decimal is another way of representing part of a whole.

$$0.5 = \frac{5}{10}$$

$$0.05 = \frac{5}{100}$$



Decimals relate to fractions with denominators of 10 and 100

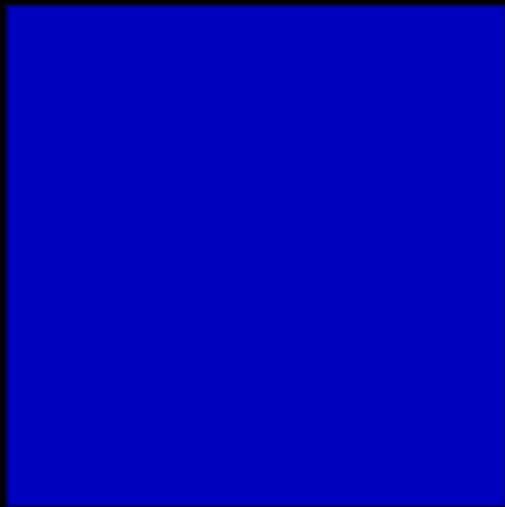
$$4.56 = 4 \frac{56}{100}$$

tenths
hundredths

A decimal point is used to separate a whole and the part of a whole.

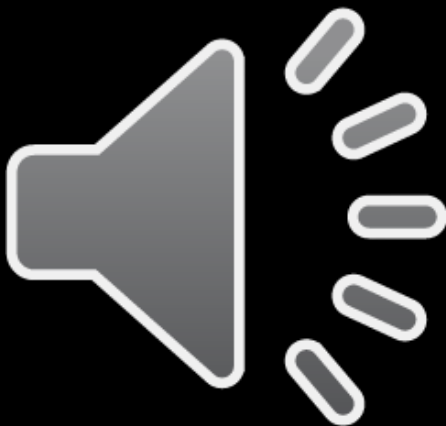


When
working with
decimals, the
base ten
blocks have
the following
values



Flat = 1 whole

$$1 = \frac{10}{10} = \frac{100}{100}$$



unit = 0.01

“one hundredth”

100 units = 1 flat

10 units = 1 rod

$$0.01 = \frac{1}{100}$$

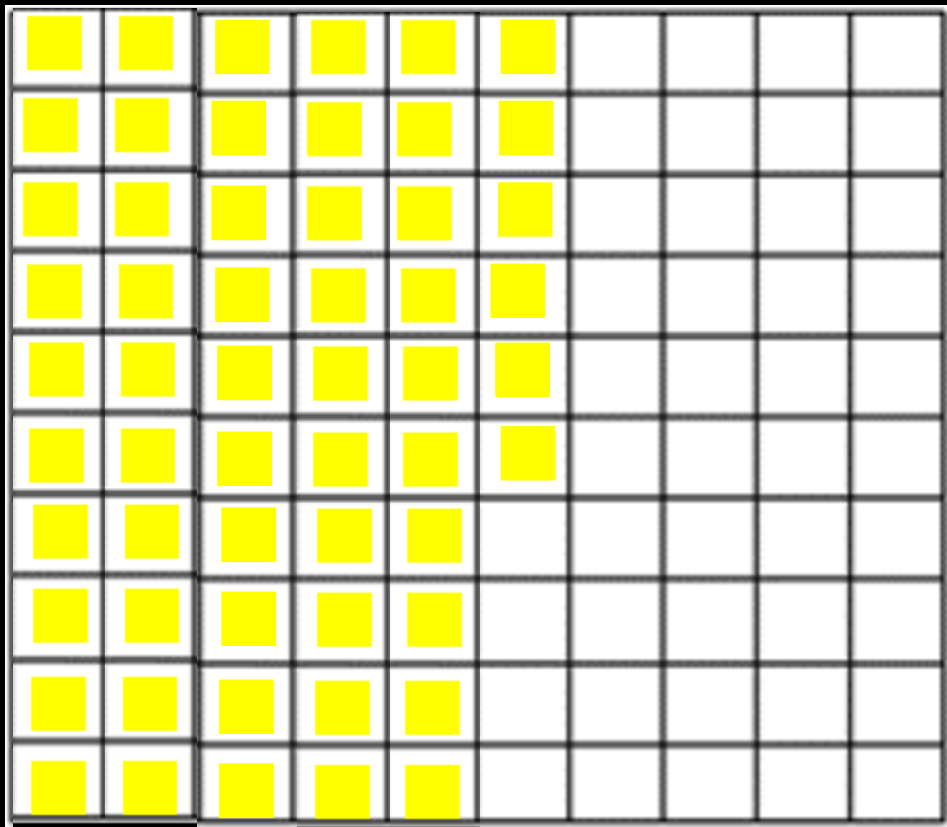
rod = 0.1

“one tenth”

10 rods = 1 flat

$$0.1 = \frac{1}{10}$$





Decimal: 0.56

Fraction: $\frac{56}{100}$

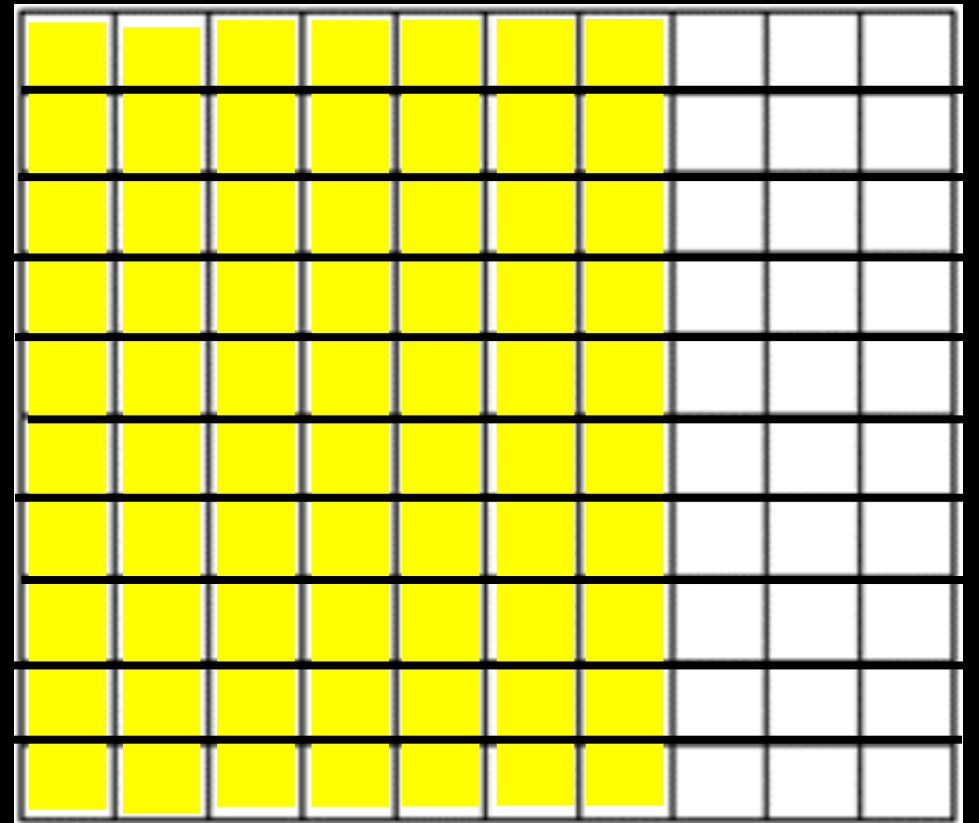
Word Form: fifty-six hundredths

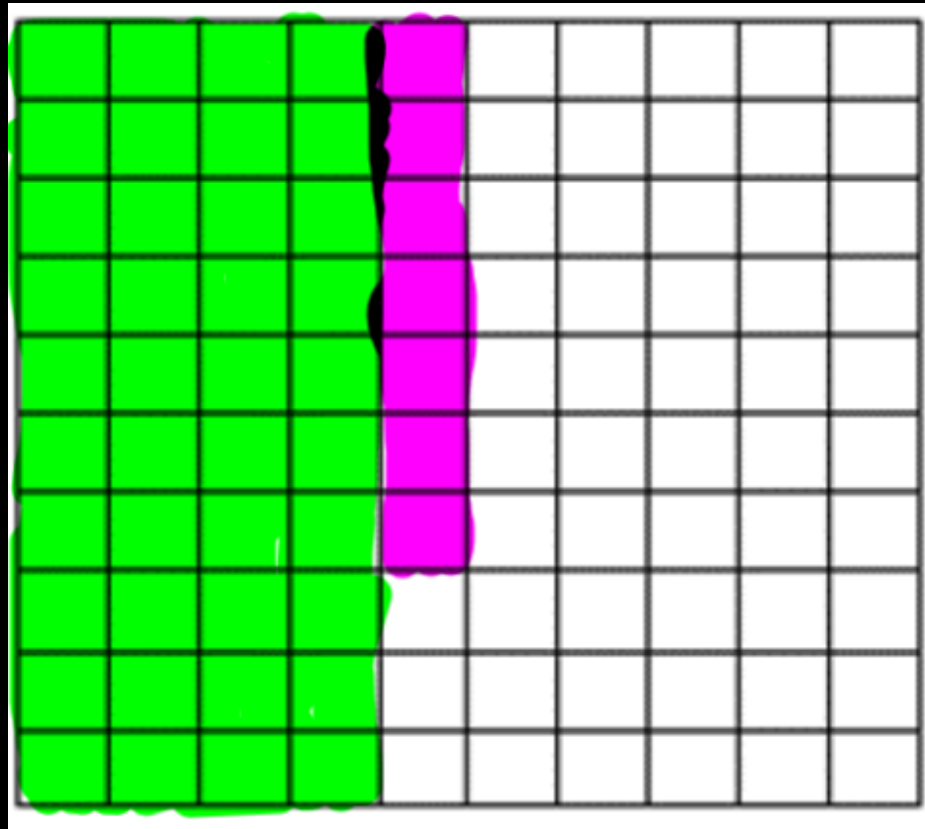


Decimal: 0.7

Fraction: $\frac{7}{10}$

Word Form: seven tenths





You have to convert tenths into hundredths in order to add them.

*remember that 1 tenth (rod) is equal to 10 hundredths (units), SO

4 tenths = 40 hundredths



$$\frac{4}{10} + \frac{7}{100} \longrightarrow \frac{40}{100} + \frac{7}{100} = \frac{47}{100}$$

$$\frac{5}{10} + \frac{28}{100}$$



$$\frac{50}{100} + \frac{28}{100} = \frac{78}{100}$$

$$\frac{4}{10} + \frac{47}{100}$$



$$\frac{40}{100} + \frac{47}{100} = \frac{87}{100}$$

$$\frac{2}{10} + \frac{34}{100}$$

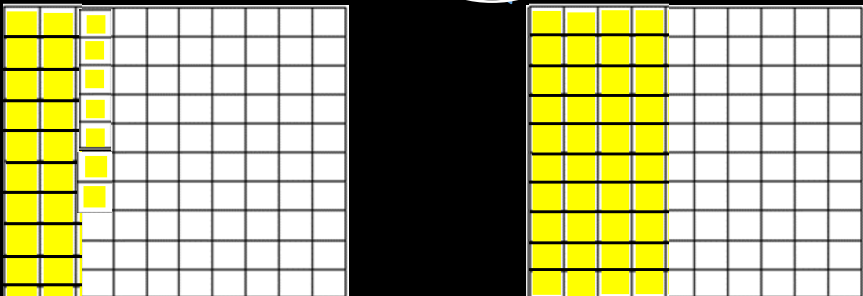


$$\frac{20}{100} + \frac{34}{100} = \frac{54}{100}$$

COMPARING DECIMALS

< LESS THAN, > GREATER THAN, = EQUAL TO

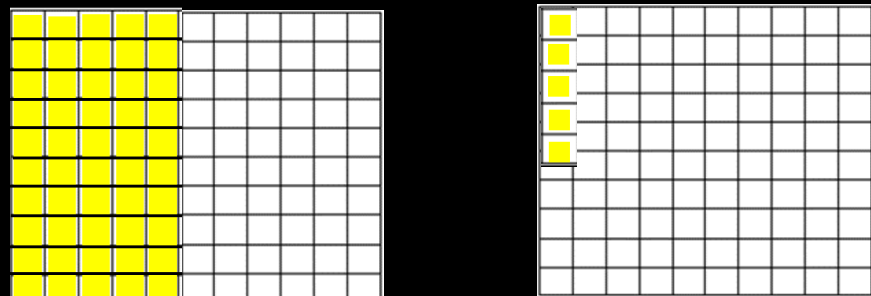
0.27 < 0.4



Which one is closer to filling the whole?
27 hundredths is less than 4 tenths.



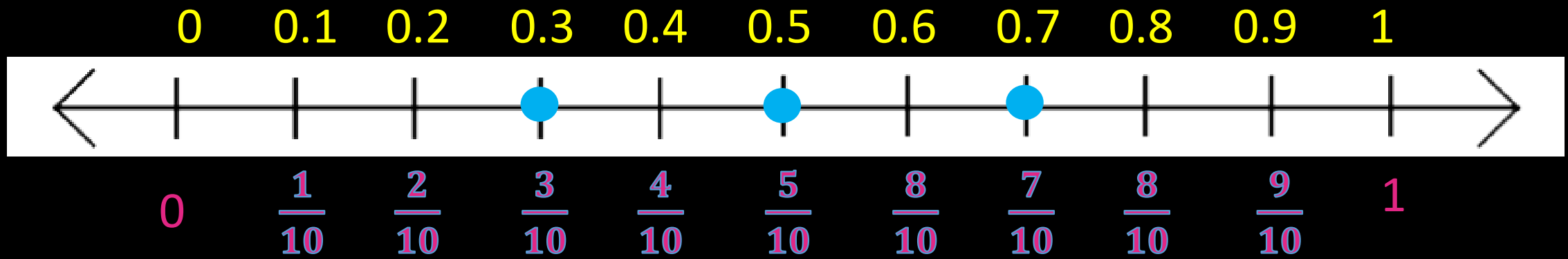
0.5 > 0.05



Which one is closer to filling the whole?
5 tenths is greater than 5 hundredths.

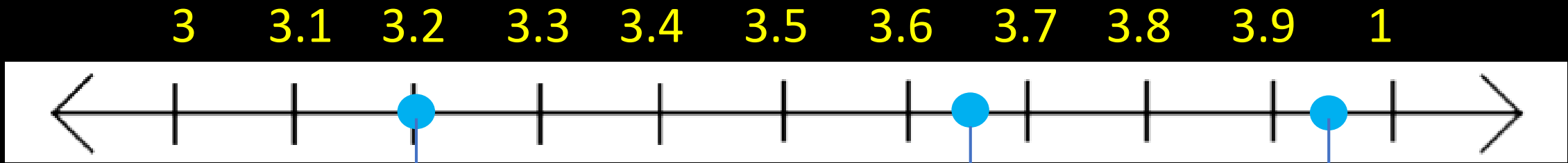
DECIMALS ON A NUMBER LINE

Remember that fractions and decimals both represent part of a whole, so if you can label the fractions on number line, you can identify the decimals 😊



Identify: 0.7, 0.3, 0.5

You mark your decimals with a dot on the number line. (As shown above)



3 $3\frac{1}{10}$ $3\frac{2}{10}$ $3\frac{3}{10}$ $3\frac{4}{10}$ $3\frac{5}{10}$ $3\frac{6}{10}$ $3\frac{7}{10}$ $3\frac{8}{10}$ $3\frac{9}{10}$ 4

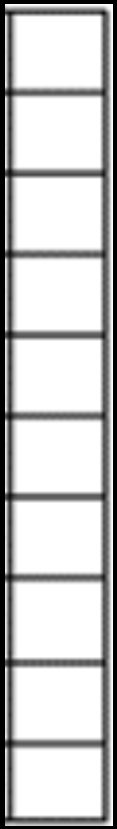
3.2

*this decimal is only to the tenths place, so it is placed directly on the tenth.

3.65

*both of these decimals are hundredths so they are found in between the tenths on the number line.

3.95



Tenths are represented by the bench marks that are labeled. *In between are hundredths.



In one tenth there are 10 hundredths, so in between each tenth on number line, there are 10 hundredths.