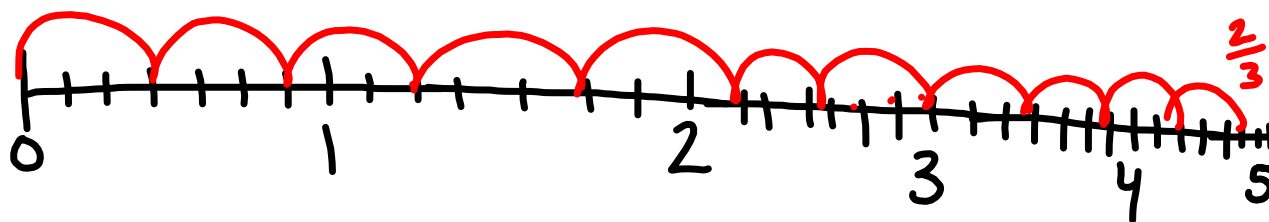
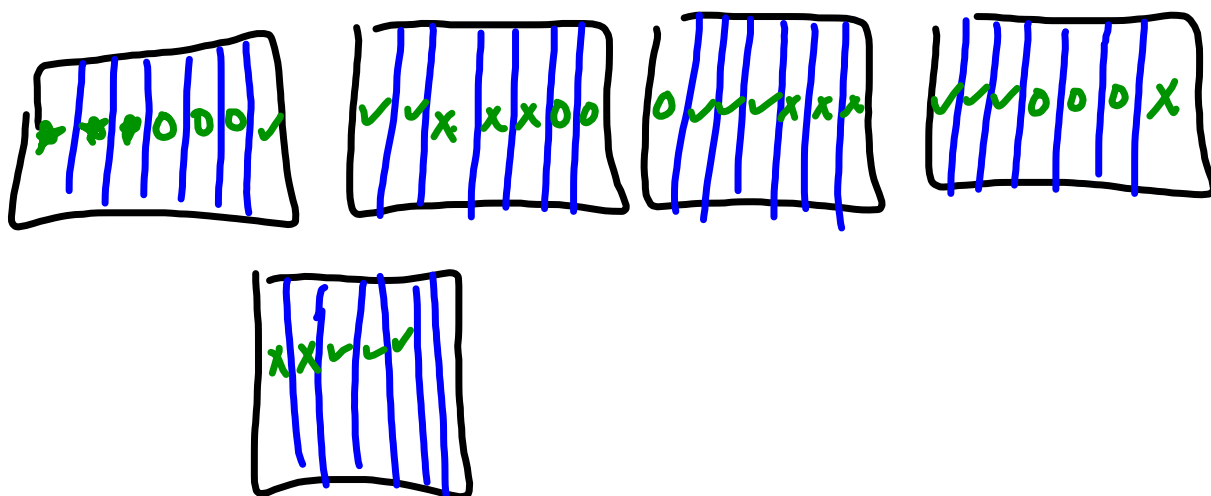


Warm Up Grade 8

February 12, 2019

Model $5 \div \frac{3}{7} = 11\frac{2}{3}$ either with a number line
or
boxes





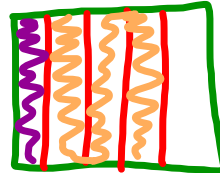
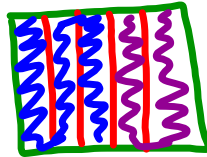
2. How many $\frac{3}{5}$ of a jar are in each number of jars?

- (a) 2 (b) 3 (c) 4 (d) 5 (e) 6

Use boxes

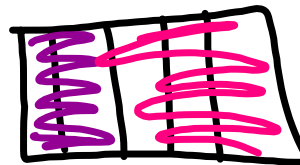
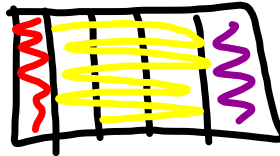
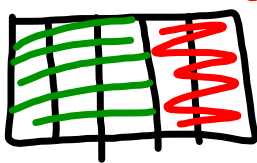
2 Jars
 $2 \div \frac{3}{5}$

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

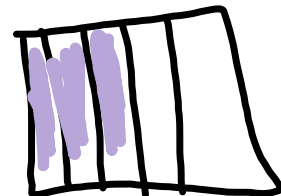
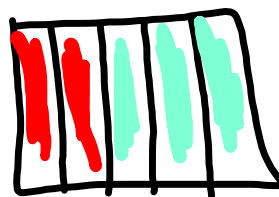
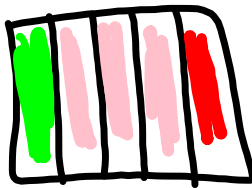
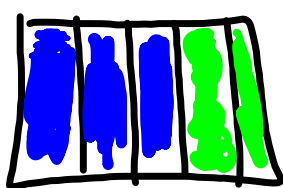


Count the different colors you use

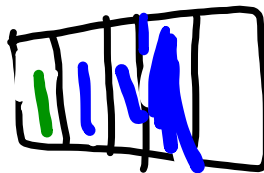
b) $3 \div \frac{3}{5} = 5$



c) $4 \div \frac{3}{5} = 6 \frac{2}{3}$



$$5 \div \frac{3}{5}$$



$$8 \frac{1}{3}$$

Using number lines to model

$$7 \div \frac{3}{4}$$

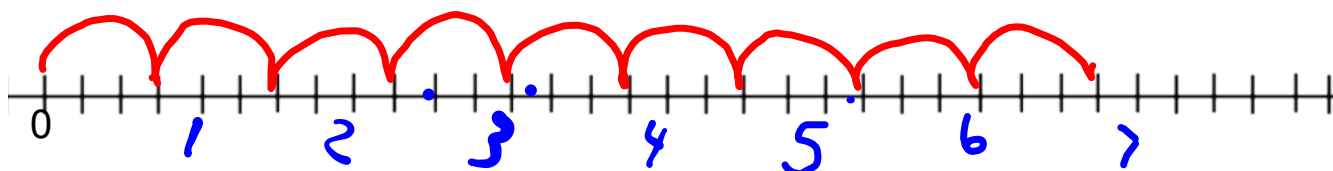
step 1) Draw a number line and count by the unit fraction of $\frac{1}{4}$
up until 6

step 2) Do leaps of $\frac{3}{4}$

$$9\frac{1}{3}$$

step 3) Count the leaps

* if you have partial leaps then the "how much of the leap did you take"



Using number lines to model

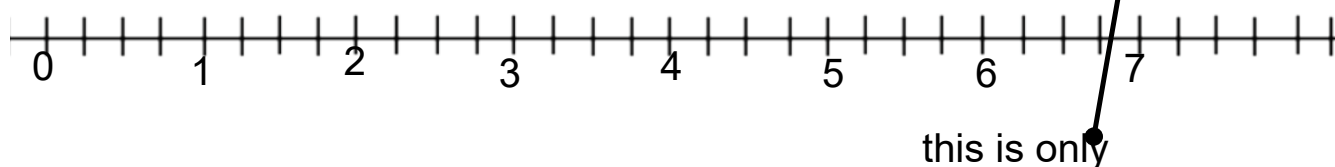
$7 \div \frac{3}{4}$ step 1) Draw a number line and count by the unit fraction of $\frac{1}{4}$
up until 6 4

step 2) Do leaps of $\frac{3}{4}$

step 3) Count the leaps

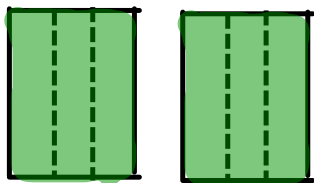
* if you have partial leaps then the "how much of the leap did you take"

leap size is 3 so

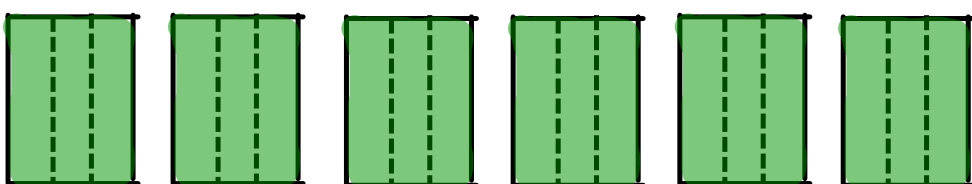
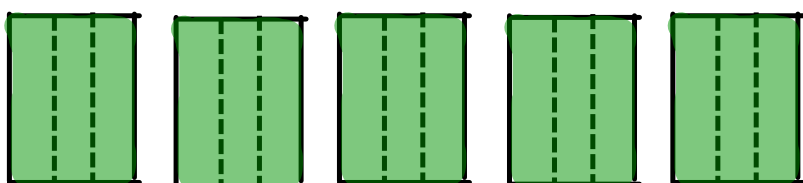
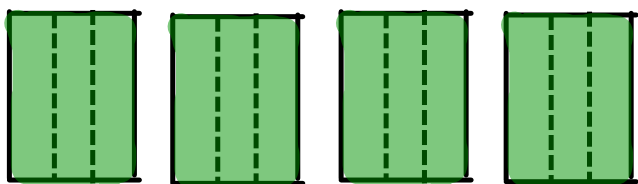
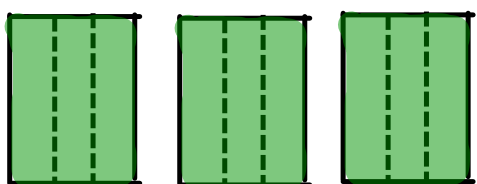


$$7 \div \frac{3}{4} =$$

2. How many $\frac{2}{3}$ of a jar are in each number of jars?
 (a) 2 (b) 3 (c) 4 (d) 5 (e) 6

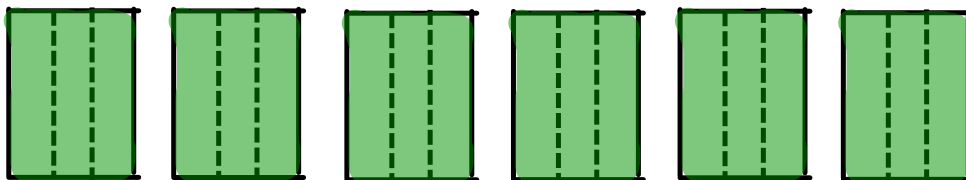
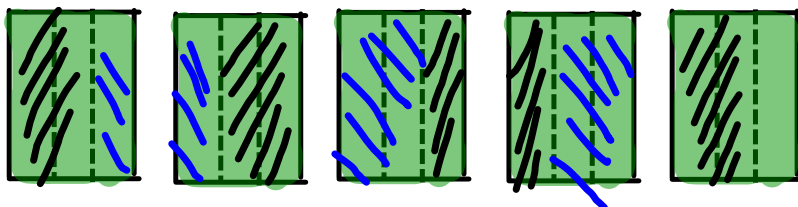
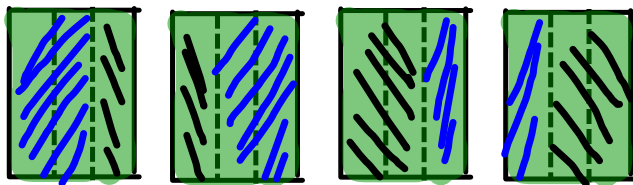
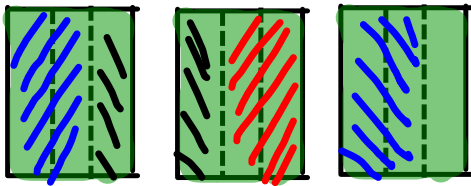
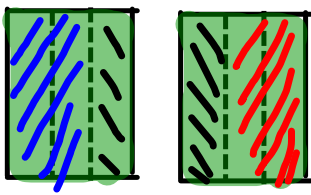


when counting you count what you coloured. (Here 2 blocks at a time are being coloured so if you don't colour in a whole then the fractions is ____)



2. How many $\frac{2}{3}$ of a jar are in each number of jars?

- (a) 2 (b) 3 (c) 4 (d) 5 (e) 6



Homework pg 110 #3-5 Sheet 4,8 #7-10
Write a rule for dividing fractions.

$$2 \div \frac{1}{2} \Rightarrow 2 \times \frac{2}{1} = \frac{4}{1}$$

$$\frac{1}{2} \Rightarrow \frac{2}{1}$$

$$4 \div \frac{1}{2} \Rightarrow 4 \times \frac{2}{1} = 8$$

$$\frac{1}{2} \Rightarrow \frac{2}{1}$$

$$3 \div \frac{2}{3} \Rightarrow 3 \times \frac{3}{2} = \frac{9}{2}$$

$$\frac{2}{3} \Rightarrow \frac{3}{2}$$

$$5 \div \frac{2}{3} \Rightarrow 5 \times \frac{3}{2} = \frac{15}{2}$$

$$\frac{2}{3} \Rightarrow \frac{3}{2}$$

$$2 \div \frac{3}{2} \Rightarrow 2 \times \frac{2}{3} = \frac{4}{3}$$

$$\frac{3}{2} \Rightarrow \frac{2}{3}$$

$$6 \div \frac{3}{2} \Rightarrow 6 \times \frac{2}{3} = \frac{12}{3}$$

$$\frac{3}{2} \Rightarrow \frac{2}{3}$$

Class/Homework

Use Fraction Rectangles or numberlines

Page 132 # 3(c,d)

#4(a,b,c,d)

#5(Use numberline),

#8(a i, ii)

#8(b, ii, iii)

#9(a,b)

#10(a,b,c)

Show all work

May want to
use different
colours