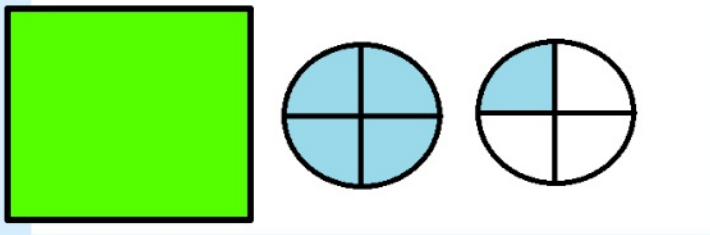IALT: count in fractions.

What is the fraction shaded?
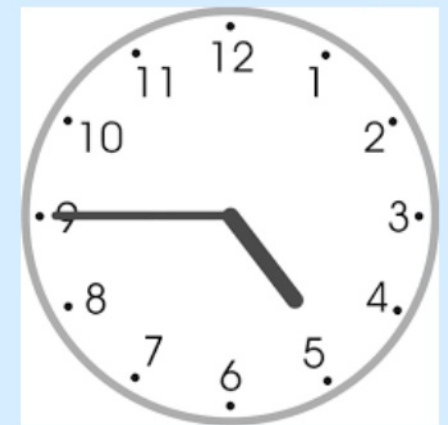
Write 3 fractions equivalent to 1 third: $\frac{1}{3}$

Bus Stop Division: 1055 ÷ 5

Short Mulitplication: 799 x 6

Challenge:
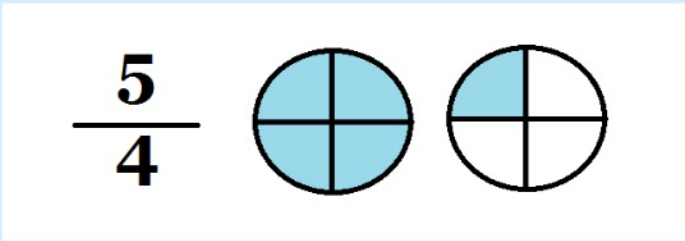
IALT: count in fractions.

What is the fraction shaded?

$$\frac{5}{4}$$

Write 3 fractions equivalent to 1 third: $\frac{1}{3}$

$$\frac{2}{6} \quad \frac{4}{12} \quad \frac{8}{24}$$

Bus Stop Division: 1055 ÷ 5   211

Short Mulitplication: 799 x 6   4794

4:45
OR
Quarter to 5

Challenge:

https://www.topmarks.co.uk/maths-games/daily10
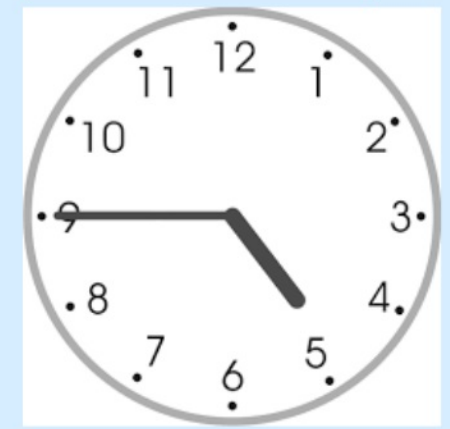
Daily Counting

halves   thirds   quarters

When do we reach a whole when we count in...

halves?

thirds?

quarters?
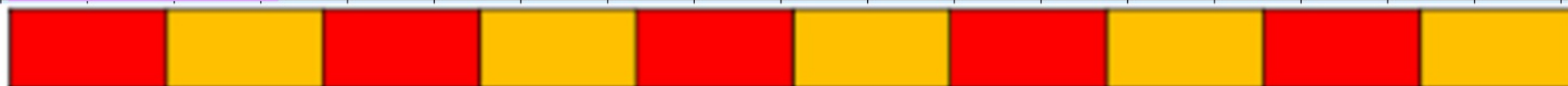
fifths?

sixths?

What values are missing?

0    $\frac{1}{2}$ [ ] $1\frac{1}{2}$ [ ] $2\frac{1}{2}$ [ ] $3\frac{1}{2}$ [ ] $4\frac{1}{2}$ [ ]
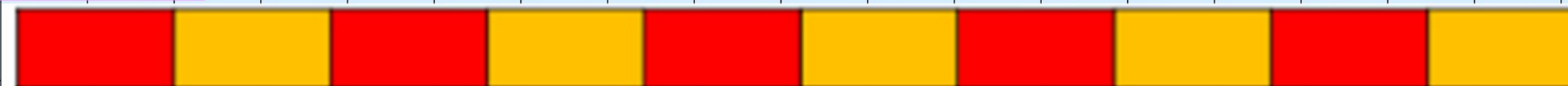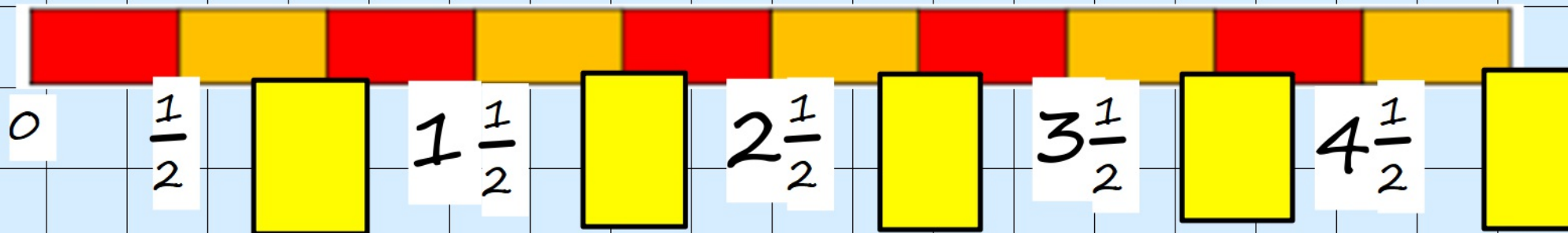
What patterns do you notice?

What values are missing?

0    $\frac{1}{2}$ 1   1$\frac{1}{2}$ 2   2$\frac{1}{2}$ 3   3$\frac{1}{2}$ 4   4$\frac{1}{2}$ 5

What patterns do you notice?

Ascending

Descending

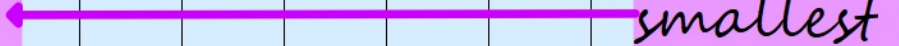What do these words mean?

Ascending
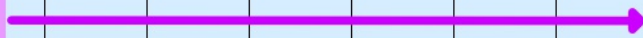
smallest ———————→ biggest

Descending

biggest ←——————— smallest

What do these words mean?

Write these fractions in descending order.

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

Write these fractions in descending order.

$1\frac{1}{3}$ ~~$\frac{2}{3}$~~ ~~2~~ ~~$\frac{1}{3}$~~ ~~$1\frac{2}{3}$~~ ~~1~~

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

$\dfrac{}{}$	$\dfrac{20}{10}$	$\dfrac{}{}$	$\dfrac{18}{10}$	$\dfrac{}{}$	$\dfrac{16}{10}$	$\dfrac{}{}$
$2\dfrac{1}{10}$		$1\dfrac{9}{10}$		$1\dfrac{7}{10}$		$1\dfrac{5}{10}$

$\frac{21}{10}$	$\frac{20}{10}$	$\frac{19}{10}$	$\frac{18}{10}$	$\frac{17}{10}$	$\frac{16}{10}$	$\frac{15}{10}$
$2\frac{1}{10}$	2	$1\frac{9}{10}$	$1\frac{8}{10}$	$1\frac{7}{10}$	$1\frac{6}{10}$	$1\frac{5}{10}$

What are the intervals?

What are we counting in each time?

0 $\frac{2}{4}$ $\frac{4}{4}$ $\frac{6}{4}$ $\frac{8}{4}$

What are the intervals?

What are we counting in each time?

$$\frac{15}{3} \qquad \frac{12}{3} \qquad \frac{9}{3}$$
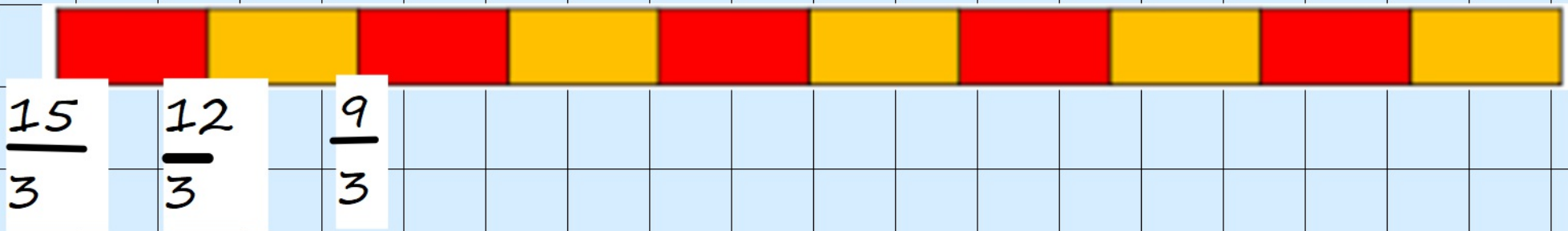
How can we use a diagram to help?

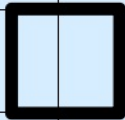Are we ascending or descending?

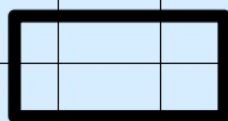Count in halves. Use a bar model to show your counting.
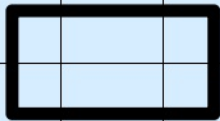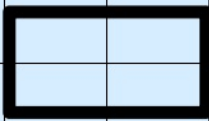
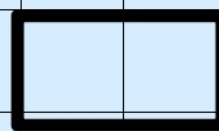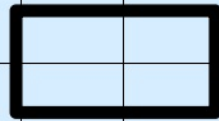1/2   1 whole   1 whole 1/2   2 whole

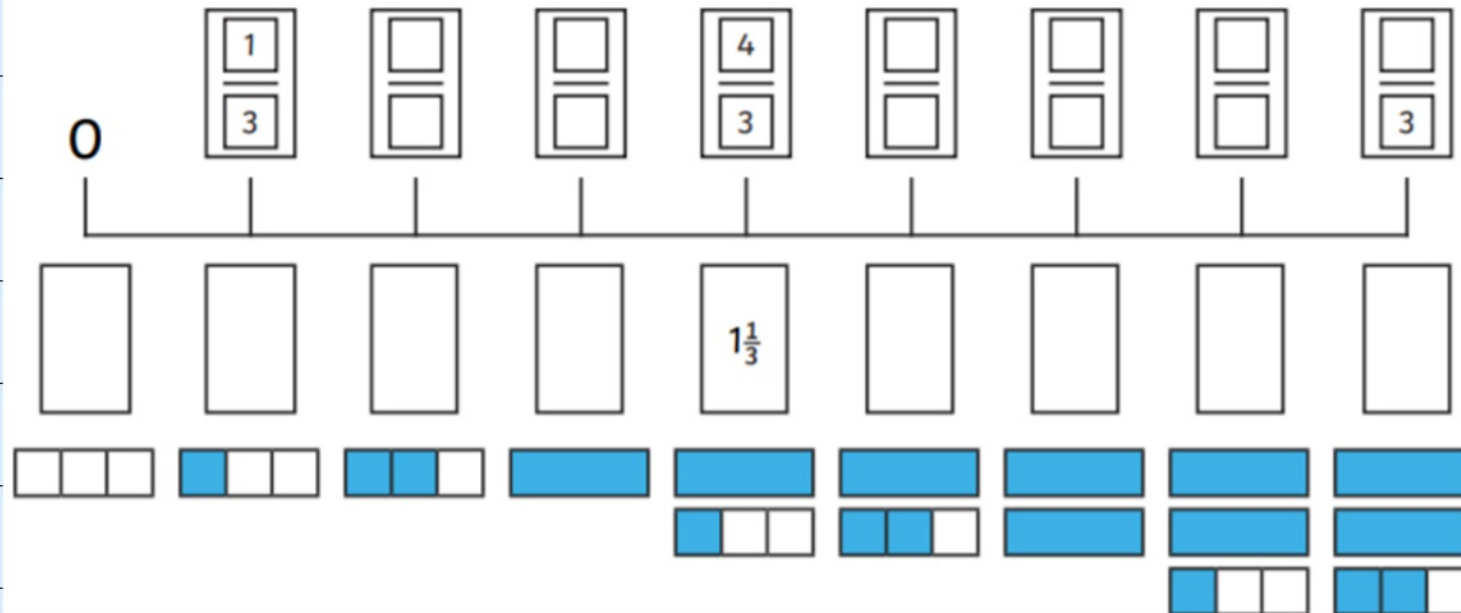When counting in fractions, the higher the denominator the _____ it takes to count to 1 whole.

This is because _____.

Try with thirds and then quarters

Complete the number line by filling in the missing fractions and mixed numbers.

| $\frac{1}{3}$ | | | $\frac{4}{3}$ | | | | $\frac{}{3}$ |

0

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

Can you add on the improper fractions to your own number lines?

🔥🔥

Descending

Continue the pattern...

Quarters from 4

Thirds from 6

Halves from 8

$$\frac{1}{5} \qquad \frac{3}{5} \qquad \frac{5}{5}$$

$$\frac{3}{6} \qquad \frac{6}{6} \qquad \frac{9}{6}$$

When the pattern is ascending, the fractional amount gets _____ each time.

When the pattern is descending, the fractional amount gets _____ each time.

Can you convert into proper fractions?

$$\frac{4}{10} \qquad \frac{8}{10} \qquad \frac{12}{10}$$

🔥🔥🔥

ANSWER
PROVE
EXPLAIN
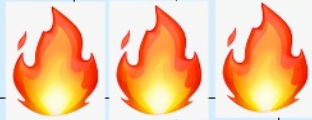
Elliott wanted to use his ruler to measure some string. He was having trouble because most of the measuring scale on the ruler had worn away and lots of the numbers were missing.

Use Elliott's clues to redraw the scale (fraction number line) on the ruler.

- The ruler has a scale that starts at 0 and ends with 3.
- I can see some mixed number fractions.
- There are 4 big marks for whole numbers including 0.
- There are 7 little marks between each of the big marks. On one of these little marks, I can read the mixed number fraction $2\frac{7}{8}$.

0   3

0   3

A

$$\frac{15}{10}$$

B

C

$$2\frac{5}{10}$$

D

two whole ones

How would we order these in ascending order?

What is the pattern?