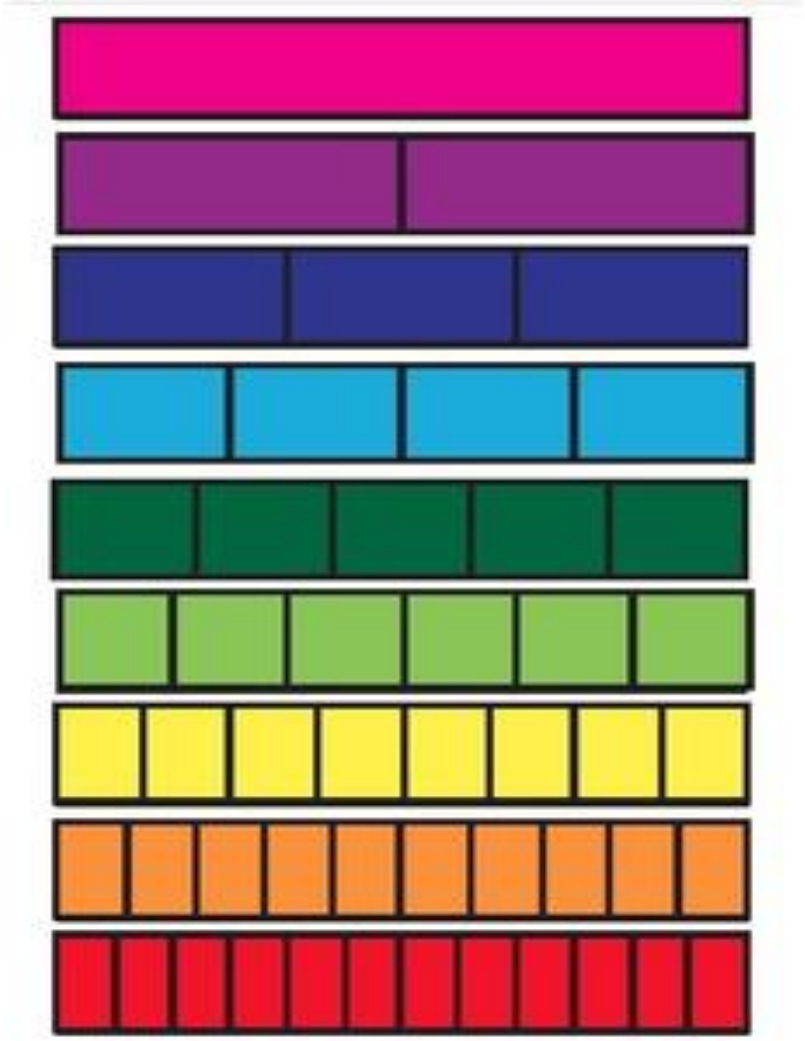
# RECALL – FRACTION WALL



I have accidently jumbled up all the fractions for this fraction wall.
Can you put these fractions back on the wall?

Six lots of $\frac{1}{6}$

Four lots of $\frac{1}{4}$

Three lots of $\frac{1}{3}$

Eight lots of $\frac{1}{8}$

Five lots of $\frac{1}{5}$

Ten lots of $\frac{1}{10}$

Look at the wall.
Which fractions are equivalent to a half?
There are five.

<u>3 BEFORE ME</u>
The denominator (bottom number) tells you what is has been split into.

# LO: I CAN COMPARE AND ORDER FRACTIONS.

Page

**Success Criteria**

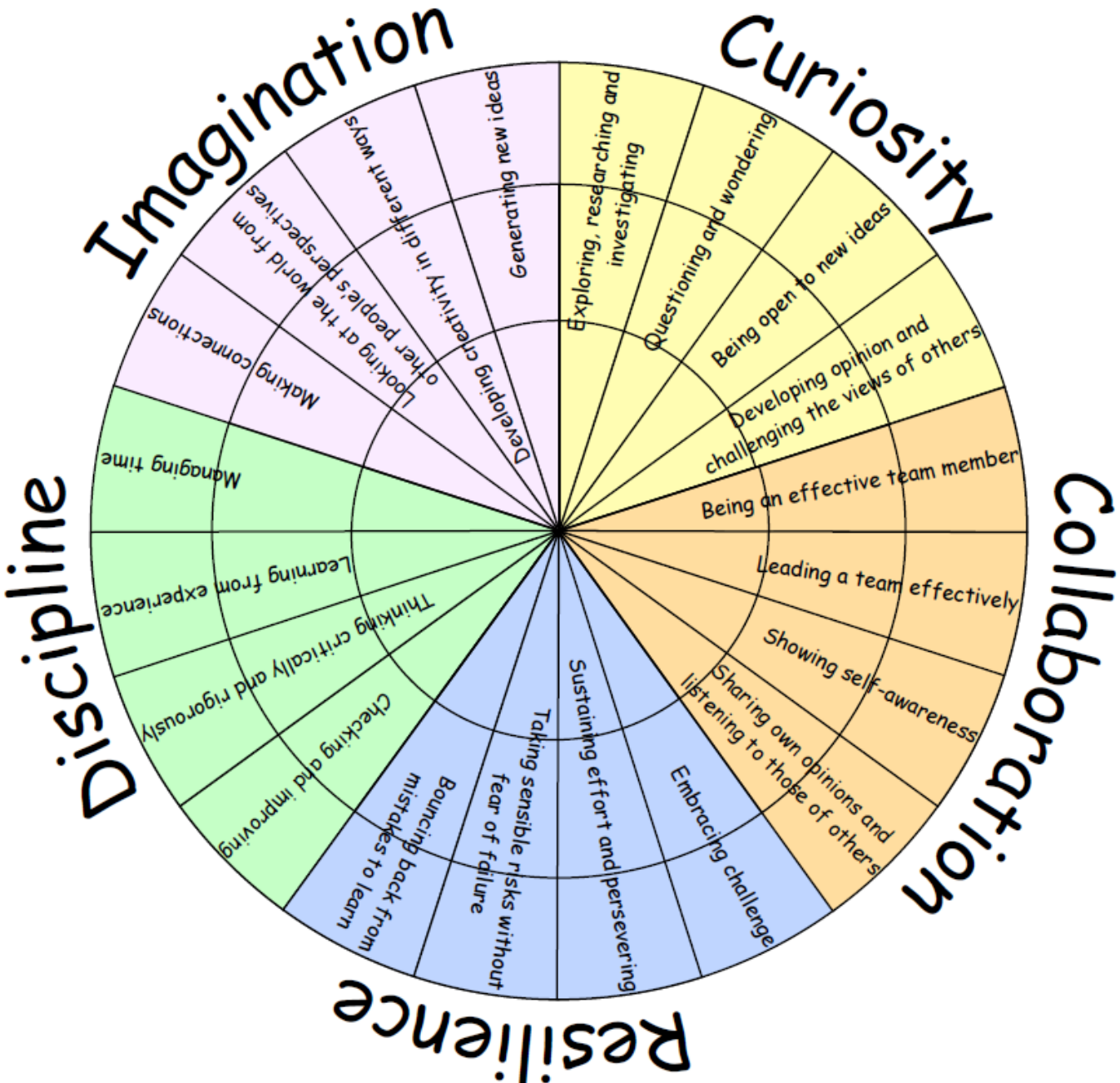
**Some will even** sequence several fractions confidently.

**Some will** order fractions (different denominators).

**Most will** order fractions (same denominator).

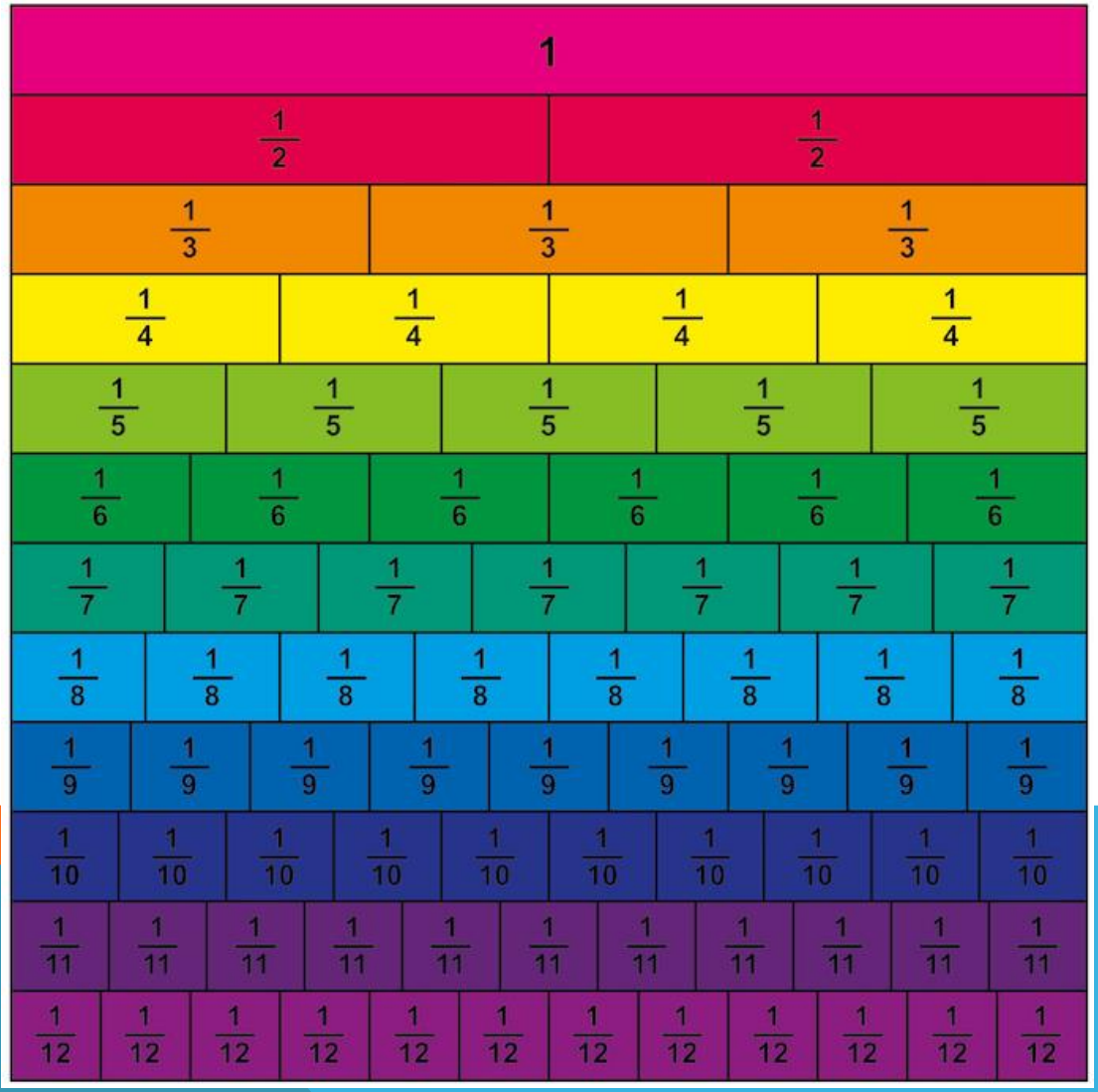
**All will** find compare simple fractions (adult support).

# LEARNING HABITS?



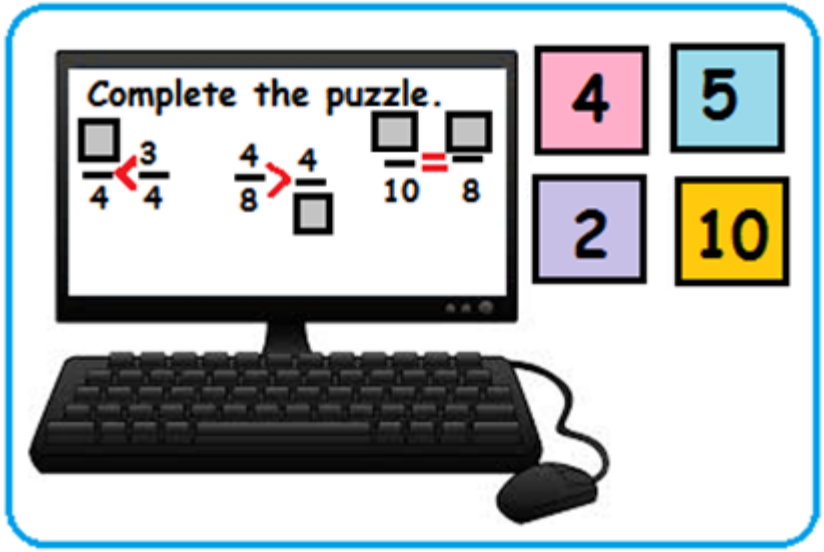
# FRACTION WALL TO SUPPORT LESSON

Use this fraction wall to help you with today's questions.



# GUIDED PRACTICE

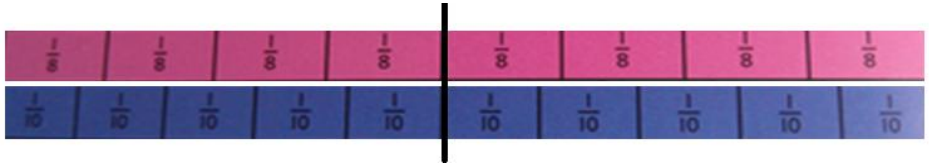
This online game compares 3 sets of fractions.
One part of each fraction is missing.




Use the four coloured cards on the right to complete the fractions on the screen.

Start by completing the equivalent fractions.
This is the statement with an equals symbol.
There is only one way to do this using the number cards.

Use the fraction wall to work it out.



$$\frac{5}{10} = \frac{4}{8}$$

I now only have two cards left, the number 2 and the number 10.

$$\frac{2}{4} < \frac{3}{4} \qquad \frac{4}{8} > \frac{4}{10}$$

The missing numerator has to be the number 2, as 2 quarters is *less than* three quarters. If I used the number 10, it would say 10 quarters is less than three quarters, which is not true.

The missing denominator is 10, as 4 eights is bigger on the fraction wall than four tenths.

<u>3 BEFORE ME</u>
The symbols < > face the largest number.
The symbol = means equal.

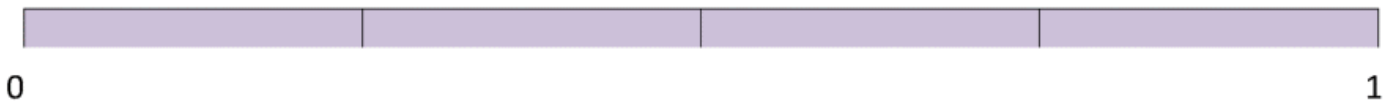
Al the denominator increases, the size of each part on the fraction wall decreases.

# INTELLIGENT PRACTICE

Sequence the fractions on the number lines.

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


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




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


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


$\frac{7}{10}$ $\frac{3}{8}$

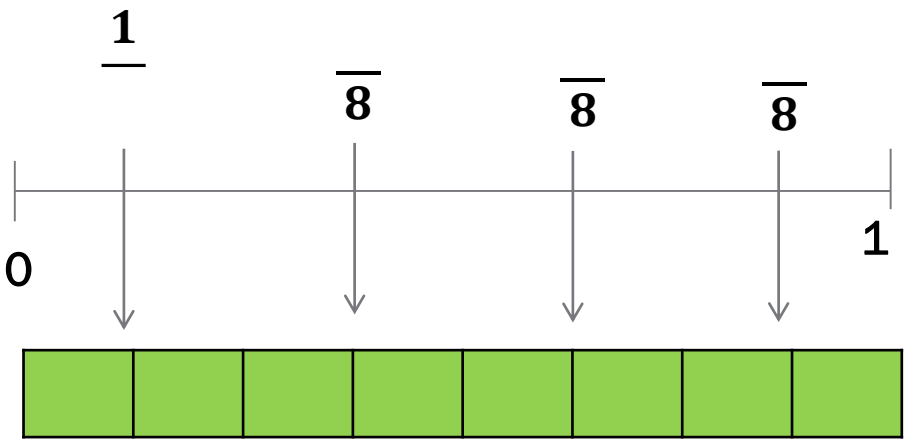
$\frac{6}{8}$ $\frac{3}{10}$


3 BEFORE ME

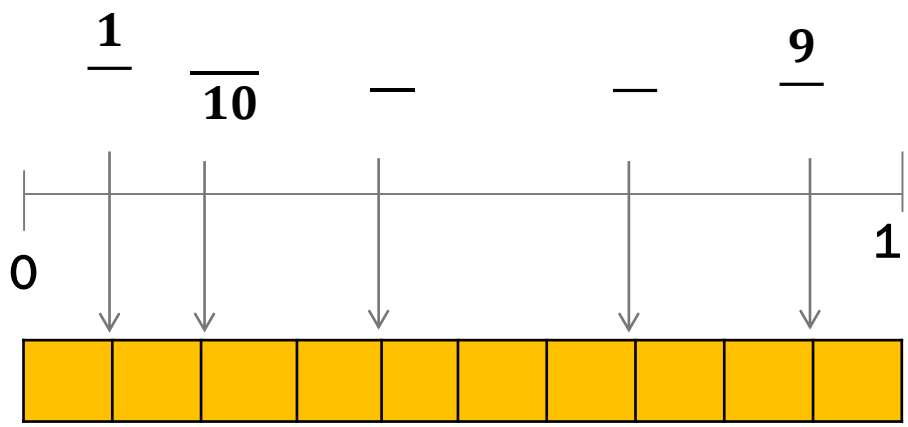
What happens to the size of each bar part as the denominator (bottom number of the fraction) increases?

# DIVE DEEPER 1

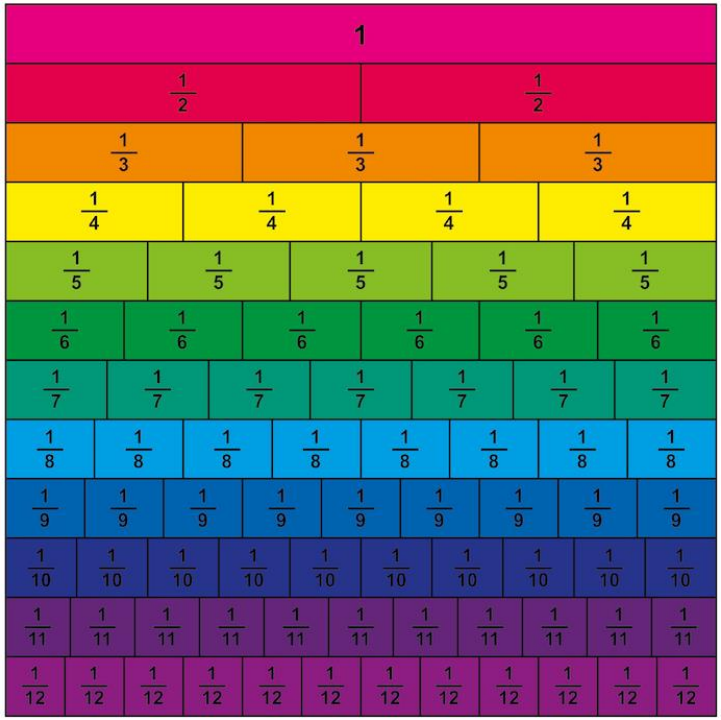
1 Complete the fractions in order, starting with the smallest.

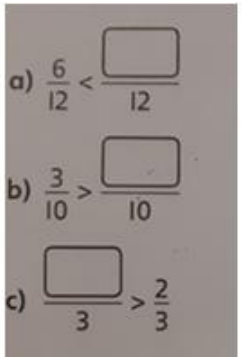


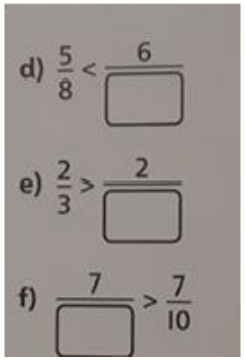

2 Complete the fractions in order, starting with the smallest.

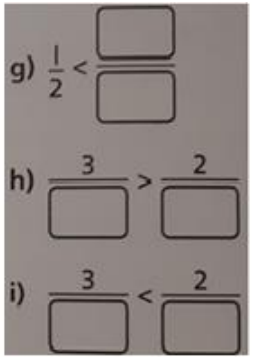



3 Look at this fraction wall to help you fill in the missing numbers. Write one of the possible answers in each box.



# DIVE DEEPER 2

1

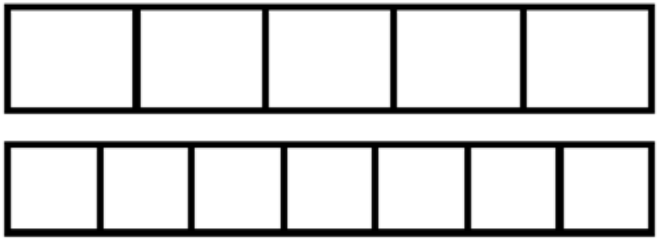
Chose one of the symbols

<, > or =

to make the number sentences complete.

$\frac{1}{5}$ ◯ $\frac{1}{7}$  $\frac{3}{5}$ ◯ $\frac{4}{7}$

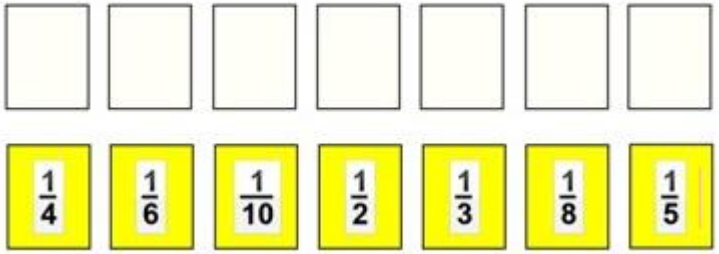
Use the fraction strips below to help you,



2

Sort these fractions from smallest to largest. Use the fraction wall to complete it correctly.

smallest  largest




3

Order the fractions from smallest to largest. Be careful, the *denominators are not always the same.*

$\frac{3}{12}$ $\frac{1}{2}$ $\frac{7}{12}$ $\frac{\square}{\square}$ $\frac{\square}{\square}$ $\frac{\square}{\square}$

$\frac{1}{5}$ $\frac{1}{8}$ $\frac{1}{3}$ $\frac{\square}{\square}$ $\frac{\square}{\square}$ $\frac{\square}{\square}$

$\frac{4}{8}$ $\frac{4}{6}$ $\frac{4}{10}$ $\frac{\square}{\square}$ $\frac{\square}{\square}$ $\frac{\square}{\square}$

4

I am thinking of a fraction. It is less than $\frac{1}{2}$ but greater than 1/6.

What could his fraction be?

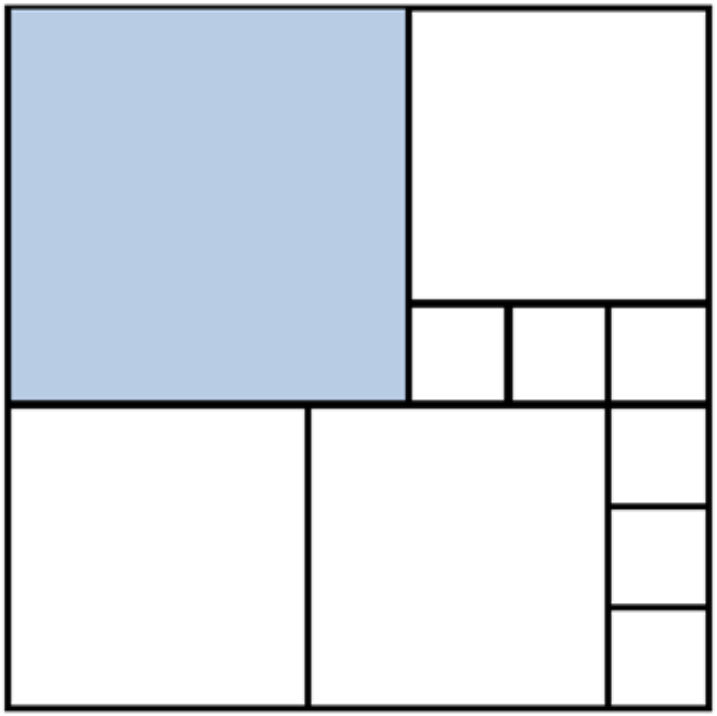
Write three possible answers.

Explain your reasoning.

# DIVE DEEPER 3

A square is divided into smaller squares.

What fraction is shaded?



Move box to reveal the answer