



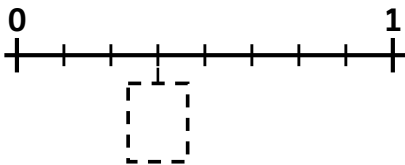
Learn a new puzzle

Fraction Puzzles

A fraction is a number. It has a place on the number line.

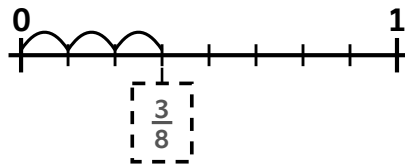
Trick: **Count the jumps**

1



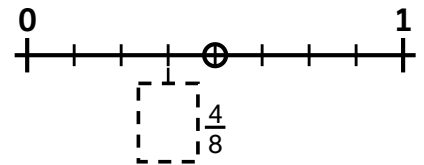
0 to 1 is cut into 8 equal jumps. Each jump is one-eighth.

2



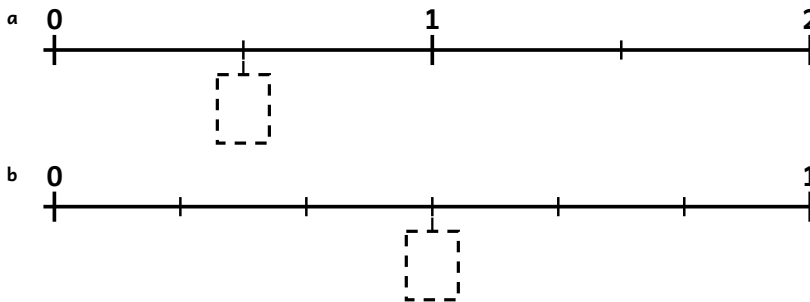
Count the jumps from 0. 3 jumps of one-eighth is $\frac{3}{8}$.

3



$\frac{4}{8}$ sits where $\frac{1}{2}$ sits. They are equal.

**Try
it**



The answer is with the other answers.

Talk about it: Ask: Where would $\frac{8}{8}$ sit? Why?



1 Fraction Puzzles Check every card that is equal to the fraction in the circle.



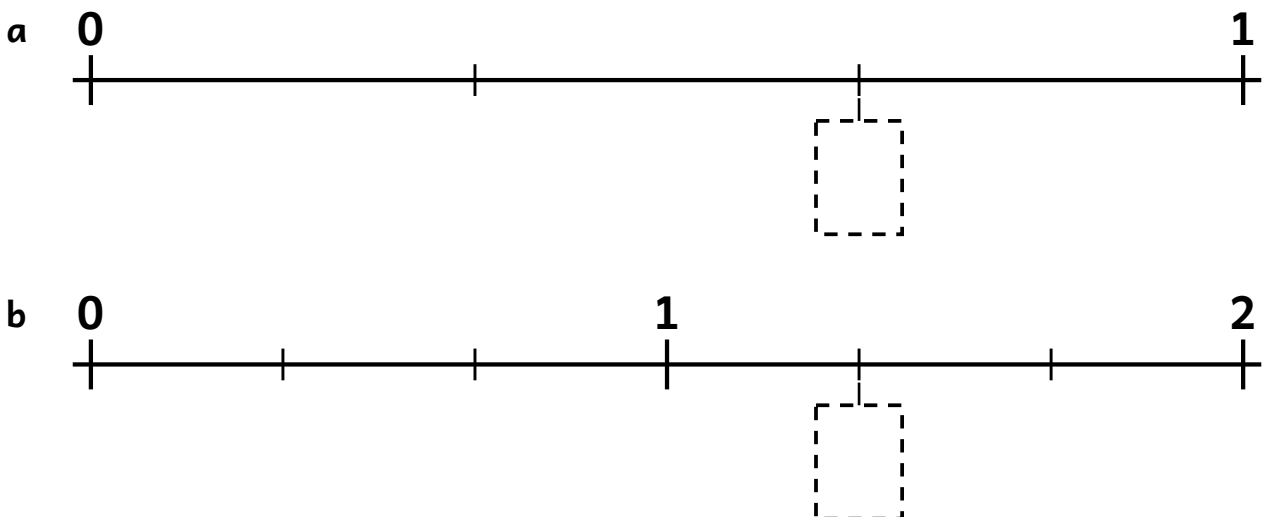
a $\frac{1}{4}$

$\frac{1}{3}$	$\frac{1}{8}$	$\frac{6}{8}$	$\frac{2}{8}$
☐	☐	☐	☐

b $\frac{3}{4}$

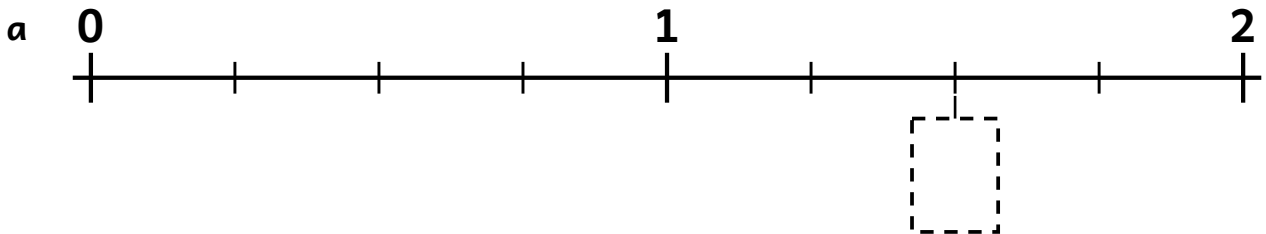
$\frac{2}{4}$	$\frac{6}{8}$	$\frac{2}{8}$	$\frac{5}{8}$
☐	☐	☐	☐

2 Fraction Puzzles Write the fraction in each box.





3 Fraction Puzzles Write the fraction in each box.



4 Fraction Puzzles Check every card that is equal to the fraction in the circle.



a

$\frac{2}{3}$	$\frac{2}{4}$	$\frac{5}{6}$	$\frac{4}{6}$	$\frac{2}{6}$
	☐	☐	☐	☐

b

$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{4}$	$\frac{5}{8}$	$\frac{6}{8}$
	☐	☐	☐	☐



5 Fraction Puzzles Write the fractions in order, from smallest to largest.



a $\frac{2}{10}$ $\frac{2}{3}$ $\frac{2}{5}$ $\frac{2}{4}$

< < <

b $\frac{1}{6}$ $\frac{1}{4}$ $\frac{4}{5}$ $\frac{1}{3}$

< < <

6 Fraction Puzzles Write the fractions in order, from smallest to largest.



a $\frac{6}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ $\frac{7}{10}$

< < <

b $\frac{1}{12}$ $\frac{1}{5}$ $\frac{7}{12}$ $\frac{3}{4}$

< < <

**7****Fraction Puzzles** Write the fractions in order, from smallest to largest.

a $\frac{3}{10}$ $\frac{3}{4}$ $\frac{3}{12}$ $\frac{3}{8}$

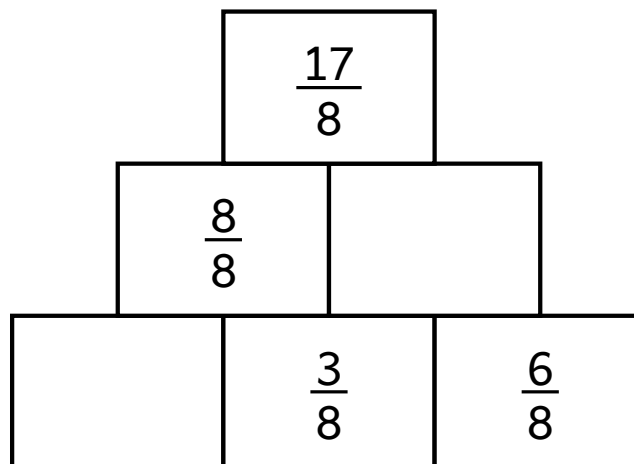
	<		<		<	
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b $\frac{7}{8}$ $\frac{1}{3}$ $\frac{1}{12}$ $\frac{7}{12}$

	<		<		<	
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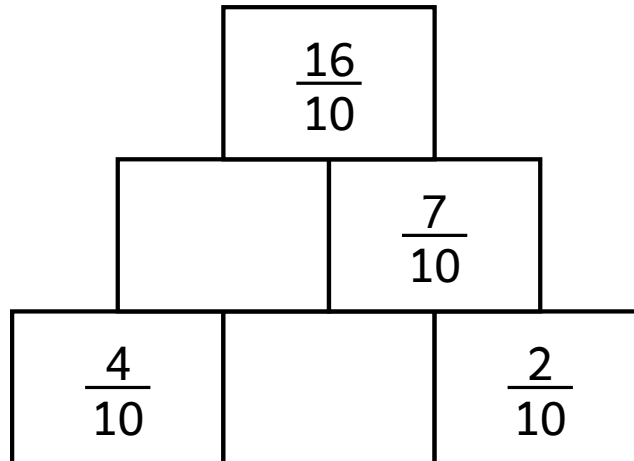
8**Fraction Puzzles**

Each brick is the sum of the two below it. Fill in every empty brick.

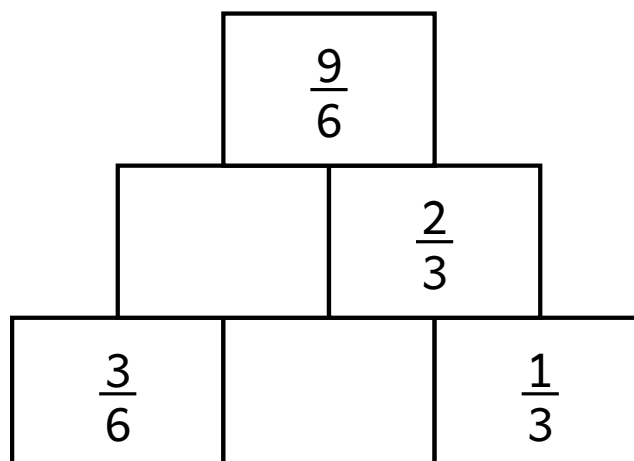


**9****Fraction Puzzles**

Each brick is the sum of the two below it. Fill in every empty brick.

**10****Fraction Puzzles**

Each brick is the sum of the two below it. Fill in every empty brick. The bricks mix thirds and sixths.

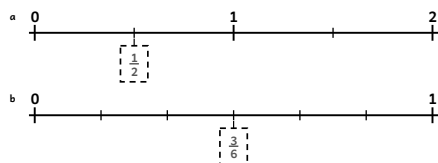




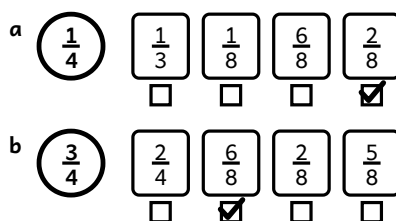
Answers

For grown-ups. Cut off or keep this page aside until the puzzles are done.

Learn • Fraction Puzzles

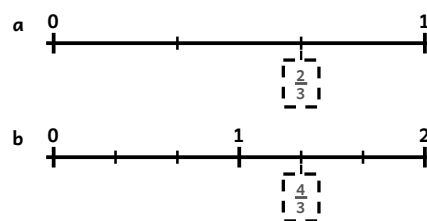


#1



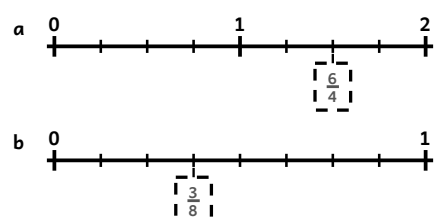
a: $\frac{2}{8}$ (top and bottom $\times 2$) is equal to $\frac{1}{4}$. b: $\frac{6}{8}$ (top and bottom $\times 2$) is equal to $\frac{3}{4}$.

#2



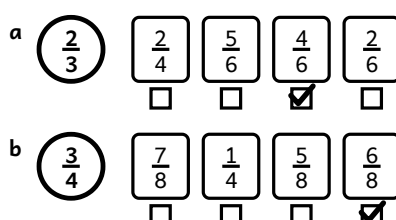
a: $\frac{2}{3}$. 0 to 1 is cut into 3 equal jumps; the box is 2 jumps from 0. b: $\frac{4}{3}$. Each whole is cut into 3 equal jumps; the box is 4 jumps from 0.

#3



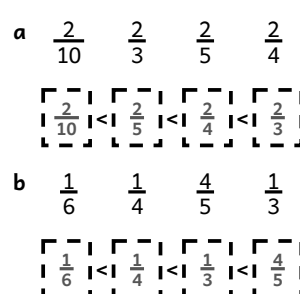
a: $\frac{6}{4}$ (or $\frac{3}{2}$). Each whole is cut into 4 equal jumps; the box is 6 jumps from 0. b: $\frac{3}{8}$. 0 to 1 is cut into 8 equal jumps; the box is 3 jumps from 0.

#4



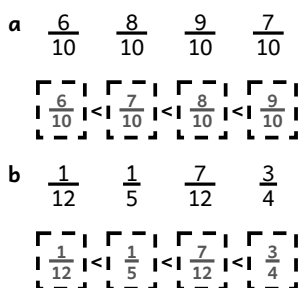
a: $\frac{4}{6}$ (top and bottom $\times 2$) is equal to $\frac{2}{3}$. b: $\frac{6}{8}$ (top and bottom $\times 2$) is equal to $\frac{3}{4}$.

#5



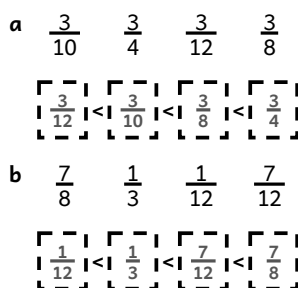
a: $\frac{2}{10}$, $\frac{2}{5}$, $\frac{2}{4}$, $\frac{2}{3}$. Same top number: more parts means smaller parts. b: $\frac{1}{6}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{4}{5}$. Compare each with $\frac{1}{2}$ first, then the ones on the same side.

#6



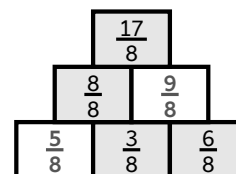
a: $\frac{6}{10}$, $\frac{7}{10}$, $\frac{8}{10}$, $\frac{9}{10}$. Same bottom number: compare the tops. b: $\frac{1}{12}$, $\frac{1}{5}$, $\frac{7}{12}$, $\frac{3}{4}$. Compare each with $\frac{1}{2}$ first, then the ones on the same side.

#7



a: $\frac{3}{12}$, $\frac{3}{10}$, $\frac{3}{8}$, $\frac{3}{4}$. Same top number: more parts means smaller parts. b: $\frac{1}{12}$, $\frac{1}{3}$, $\frac{7}{12}$, $\frac{7}{8}$. Compare each with $\frac{1}{2}$ first, then the ones on the same side.

#8



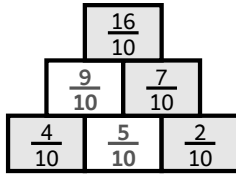
$\frac{8}{8}$ sits on $\frac{3}{8}$ and $?$, so $? = \frac{8}{8} - \frac{3}{8} = \frac{5}{8}$.



Answers

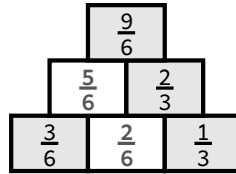
 For grown-ups. Cut off or keep this page aside until the puzzles are done.

#9



$\frac{7}{10}$ sits on $\frac{2}{10}$ and ?, so ? = $\frac{7}{10} - \frac{2}{10} = \frac{5}{10}$.

#10



Write every brick with bottom number 6 first: top and bottom $\times 2$.
 $\frac{4}{6}$ sits on $\frac{2}{6}$ and ?, so ? = $\frac{4}{6} - \frac{2}{6} = \frac{2}{6}$.