

Sample Worksheet

FRACTIONS AND DECIMALS

FOR 10 YEAR OLDS

ORDINARY FRACTIONS

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

MIXED NUMBERS

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

MAKE TWO COMBOS

① INPUT

Scratch cat: Scratch uses the division operator to construct fractions.

③ CLICK TO FIND OUT WHAT THE CAT CALLS THESE MIXED NUMBERS.

say $1 + \frac{1}{2}$ for 2 secs =

say $2 + \frac{3}{8}$ for 2 secs =

Calculators and computers often use this symbol / to mean division.

Calculators, computers and the Scratch cat prefer to turn FRACTIONS into DECIMALS.

Children join the code block with the fraction and write the answer the sprite will give when it's clicked. Check each out, with a click!

$\frac{1}{8}$ <input type="text"/>	A	$\frac{1}{5} =$ <input type="text"/>	$2 + \frac{1}{8}$ <input type="text"/>	G	$1\frac{3}{8} =$ <input type="text"/>
$\frac{1}{5}$ <input type="text"/>	B	$\frac{1}{8} =$ <input type="text"/>	$3 + \frac{1}{5}$ <input type="text"/>	H	$3\frac{1}{2} =$ <input type="text"/>
$\frac{5}{8}$ <input type="text"/>	C	$\frac{7}{10} =$ <input type="text"/>	$1 + \frac{3}{10}$ <input type="text"/>	I	$2\frac{1}{8} =$ <input type="text"/>
$\frac{7}{8}$ <input type="text"/>	D	$\frac{3}{10} =$ <input type="text"/>	$3 + \frac{1}{2}$ <input type="text"/>	J	$1\frac{3}{10} =$ <input type="text"/>
$\frac{7}{10}$ <input type="text"/>	E	$\frac{5}{8} =$ <input type="text"/>	$1 + \frac{3}{8}$ <input type="text"/>	K	$2\frac{3}{4} =$ <input type="text"/>
$\frac{3}{10}$ <input type="text"/>	F	$\frac{7}{8} =$ <input type="text"/>	$2 + \frac{3}{4}$ <input type="text"/>	L	$3\frac{1}{5} =$ <input type="text"/>