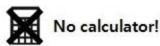
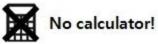
Equivalent Fractions Homework



Literacy	Research	Memory
5 \leftarrow Numerator (<i>number</i>)	Where does the word 'fraction'	• To find an equivalent fraction, multiply
$\overline{7} \leftarrow \text{Denominator} (name/type)$	originally come from?	or divide the top and bottom by the
		same thing.
The denominator tells you the size of the slice (how many a whole one has been cut into)	Why do you think this word	• To simplify a fraction, divide the top and
The numerator tells you the number of slices	was chosen to describe this	bottom by the same thing, and keep
$\frac{5}{7}$ means 5 slices, where each slice is a seventh .	type of number?	going until you can't divide any more.
		This is the equivalent fraction that uses
An equivalent fraction is one with equal value .		the smallest numbers.
Skills		Stretch
Convert these fractions to equivalent	Simplify these fractions fully:	1) Convert these fractions into equivalent
fractions by filling in the gaps:		fractions with denominator 12:
$1)\frac{4}{5} = \frac{8}{5}$	4) $\frac{12}{30} =$	
5 []	30	$\frac{3}{4} = \frac{1}{12}$ $\frac{2}{3} = \frac{1}{12}$
a) 12 120	_, 42	$\overline{4} - \overline{12}$ $\overline{3} - \overline{12}$
2) $\frac{12}{17} = \frac{120}{[]}$	5) $\frac{42}{60} =$	
	0000	2) Which fraction is larger, $\frac{3}{4}$ or $\frac{2}{3}$?
$3)\frac{7}{3} = \frac{[]}{15} = \frac{[]}{30}$	6) $\frac{9000}{27000} =$	
	27000	3) Which fraction is larger, $\frac{2}{5}$ or $\frac{1}{3}$?
Show ALL you	r working	, 5 3
5.1.5W / 122 y 0 0		

You need to **read** and **learn** the *Literacy* and *Memory* sections, **look up** answers to the *Research* section, **answer all** questions from the *Skills* section, and (unless you have already spent more than 45 minutes on this homework) **attempt** the *Stretch* section. Answers can be written on the sheet or in your book if you need more space.

Equivalent Fractions Homework SOLUTIONS



Literacy	Research	Memory
$\frac{5}{7} \leftarrow \text{Numerator (number)} \\ \overline{7} \leftarrow \text{Denominator (name/type)}$	Where does the word 'fraction' originally come from? Latin: 'fractio' meaning 'to break	 To find an equivalent fraction, multiply or divide the top and bottom by the same thing.
The denominator tells you the size of the slice (how many a whole one has been cut into) The numerator tells you the number of slices $\frac{5}{7}$ means 5 slices, where each slice is a seventh . An equivalent fraction is one with equal value .	 into pieces' (like 'fracture') Why do you think this word was chosen to describe this type of number? A fraction is what you get when you break a whole number into pieces. 	 To simplify a fraction, divide the top and bottom by the same thing, and keep going until you can't divide any more. This is the equivalent fraction that uses the smallest numbers.
Skills		Stretch
<i>Convert these fractions to equivalent fractions by filling in the gaps:</i>	Simplify these fractions fully:	1) Convert these fractions into equivalent fractions with denominator 12:
$1)\frac{4}{5} = \frac{8}{[10]}$	$4)\frac{12}{30} = \frac{2}{5}$	$\frac{3}{4} = \frac{[9]}{12} \qquad \frac{2}{3} = \frac{[8]}{12}$
$2)\frac{12}{17} = \frac{120}{[170]}$	$5)\frac{42}{60} = \frac{7}{10}$	
$3)\frac{7}{3} = \frac{[35]}{15} = \frac{[70]}{30}$	$6)\frac{9000}{27000} = \frac{1}{3}$	2) Which fraction is larger, $\frac{3}{4}$ or $\frac{2}{3}$? $\frac{3}{4}$ (more twelfths)
Show ALL your working.		3) Which fraction is larger, $\frac{2}{5}$ or $\frac{1}{3}$? $\frac{2}{5} = \frac{6}{15}$ and $\frac{1}{3} = \frac{5}{15}$ so $\frac{2}{5}$ is larger (more fifteenths)

You need to **read** and **learn** the *Literacy* and *Memory* sections, **look up** answers to the *Research* section, **answer all** questions from the *Skills* section, and (unless you have already spent more than 45 minutes on this homework) **attempt** the *Stretch* section. Answers can be written on the sheet or in your book if you need more space.