Maths Assessment Grade 6: Fractions - Section A

1. Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.

a) Simplify these fractions:

$\frac{5}{20}$	
$\frac{6}{9}$	
$\frac{9}{12}$	
$\frac{4}{8}$	
$\frac{8}{10}$	

b) Identify the equivalent fraction, using the denominators shown:

$\frac{2}{10}$	=	$\frac{\quad}{5}$
$\frac{2}{8}$	=	$\frac{\quad}{4}$
$\frac{9}{12}$	=	$\frac{\quad}{8}$
$\frac{5}{15}$	=	$\frac{\quad}{3}$
$\frac{10}{12}$	=	$\frac{\quad}{6}$

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a) Put these fractions in order, from smallest to largest:

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

smallest largest

$1\frac{1}{6}$	$1\frac{1}{3}$	$\frac{5}{6}$	$\frac{1}{6}$	$\frac{2}{3}$	$\frac{1}{3}$

smallest largest

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$\frac{1}{10}$	$\frac{3}{5}$	$\frac{4}{10}$	$\frac{4}{5}$	$\frac{1}{5}$	$\frac{5}{10}$

smallest largest

$\frac{4}{8}$	$\frac{3}{4}$	$\frac{12}{8}$	$\frac{5}{4}$	$\frac{9}{8}$	$\frac{4}{4}$

smallest largest

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b) Use the symbols < > or = to compare each pair of fractions:

	< > or =	
$\frac{1}{3}$		$\frac{4}{6}$
$\frac{3}{6}$		$\frac{1}{2}$
$\frac{3}{10}$		$\frac{1}{5}$
1 whole		$\frac{5}{5}$
$\frac{3}{4}$		$\frac{5}{8}$
$\frac{5}{6}$		$\frac{11}{12}$

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