

1. Put a ring around fractions that are in their simplest form.

$\frac{2}{3}$	$\frac{5}{8}$	$\frac{13}{20}$	$\frac{5}{12}$	$\frac{23}{100}$	$\frac{6}{8}$	$\frac{5}{20}$	$\frac{3}{8}$
$\frac{23}{25}$	$\frac{14}{18}$	$\frac{6}{8}$	$\frac{9}{10}$	$\frac{15}{100}$			

2. Write each fraction in its simplest form.

You can do it in a single step or several steps. Show all your steps.

(a)  $\frac{15}{30} = \square$

(b)  $\frac{9}{12} = \square$

(c)  $\frac{20}{50} = \square$

(d)  $\frac{16}{24} = \square$

(e)  $\frac{24}{60} = \square$

(f)  $\frac{35}{100} = \square$

3. Write some fractions that are not in their simplest form.

Ask your partner to reduce them.

$\frac{1}{2}$				$\frac{1}{2}$			
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

1. Use this fraction wall to help you complete the fractions.

(a)  $\frac{2}{4} = \frac{1}{\square}$       (b)  $\frac{2}{8} = \frac{\square}{4}$       (c)  $\frac{4}{8} = \frac{1}{\square}$

(d)  $\frac{1}{2} = \frac{\square}{4}$       (e)  $\frac{1}{4} = \frac{2}{\square}$       (f)  $\frac{6}{8} = \frac{\square}{4}$

2. Now try these.

$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$	
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

(a)  $\frac{4}{6} = \frac{\square}{3}$       (b)  $\frac{4}{12} = \frac{1}{\square}$       (c)  $\frac{1}{2} = \frac{3}{\square}$

(d)  $\frac{4}{\square} = \frac{2}{3}$       (e)  $\frac{8}{12} = \frac{2}{\square}$       (f)  $\frac{10}{\square} = \frac{5}{6}$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Write the fraction for each answer in its simplest form.

- What fraction of the numbers from 1 to 20 are  
(a) even?      (b) odd?      (c) multiples of 5?      (d) prime?
- What fraction of the numbers from 1 to 24  
(a) contain the digit 4?      (b) are multiples of 8?      (c) are square?
- What fraction of numbers from 1 to 50  
(a) have 2 odd digits?      (b) are divisible by 5?  
(c) are multiples of 2 or 3?      (d) are triangular numbers?
- Make up some similar questions about numbers from 1 to 50 for your partner to answer.