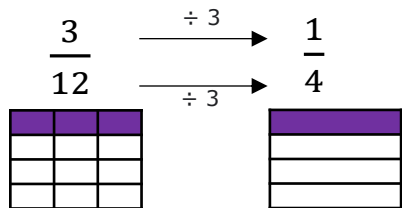
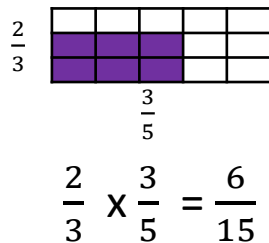


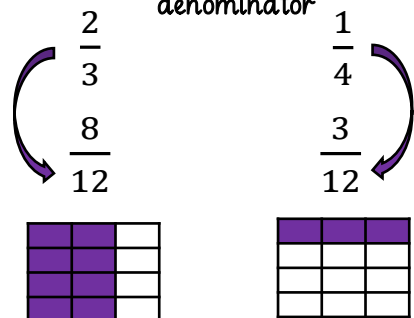
simplifying fractions



multiplying pairs of fractions



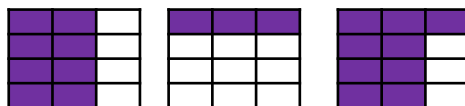
expressing fractions in the same denominator



adding fractions with different denominators

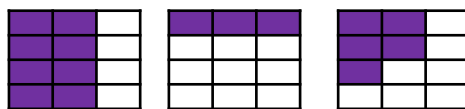
First express the fractions as the same denominator

$$\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$$



subtracting fractions with different denominators

$$\frac{8}{12} - \frac{3}{12} = \frac{5}{12}$$



multiplying by 10, 100 and 1000

M	HTh	TTh	Th	H	T	O	t	h	th
					1	2	4	5	
				1	2	4	5		
		1	2	4	5	0			

dividing by 10, 100 and 1000

M	HTh	TTh	Th	H	T	O	t	h	th
				4	2	1			
					4	2	1		
						4	2	1	
						0	4	2	1

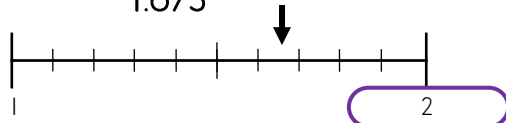
comparing fractions

$$\frac{8}{12} > \frac{3}{12}$$



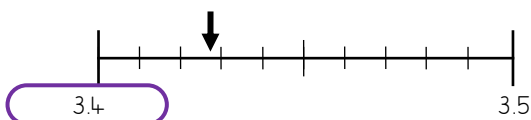
Round to the nearest whole number

1.673



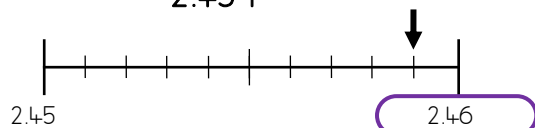
Round to the nearest tenth

3.429



Round to the nearest hundredth

2.459



12.4 x 8

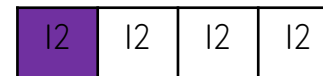
- 1) 124 x 8 = 992
- 2) 12.4 x 8 = 99.2

		1	2	4
				8
		9	9	2
		1	3	

Estimate the answer to make sure it's reasonable. E.g.
12 x 8 = 96, so the answer should be approximately
96

$\frac{1}{4}$ of a piece of string is 12 cm. How long is the total piece?

find the whole from a fraction



$$12 \times 4 = 48 \text{ cm}$$

associate a fraction with division

$$\frac{1}{8} = 1 \div 8$$

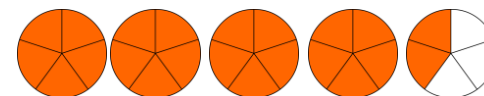
	0	1	2	5
8	1	0	0	0
	1	2	4	

dividing a fraction by a whole number

$$\frac{1}{2} \div 6 = \frac{1}{12}$$



mixed numbers and improper fractions



mixed number

$$4\frac{2}{5}$$

improper fraction

$$\frac{22}{5}$$

$\frac{1}{8}$	0.125	12.5%
$\frac{1}{4}$	0.25	25%
$\frac{3}{8}$	0.375	37.5%
$\frac{1}{2}$	0.5	50%
$\frac{5}{8}$	0.625	62.5%
$\frac{3}{4}$	0.75	75%
$\frac{7}{8}$	0.875	87.5%
$\frac{8}{8}$	1	100%