

Learning Objective:	To be able to identify equivalent fractions	Name:	
		Date:	

Do NOW Activity:

- 1 Write down the first 7 **prime numbers**
- 2 Work out $112.4 + 15.93$
- 3 Work out $-3 + -7$
- 4 Work out 42×76
- 5 Work out 1.2×0.9

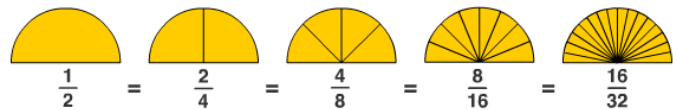
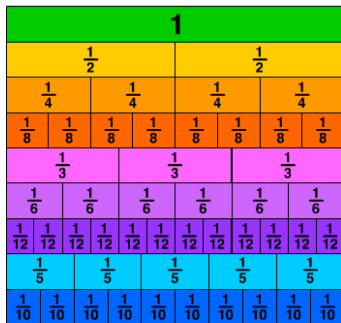
PRIOR KNOWLEDGE CHECK:

1. I am able to find the HCF and LCM of two numbers

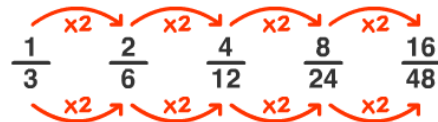
THE MAIN EVENT

WORKED EXAMPLE #1:

equivalent fractions



You can make equivalent fractions by multiplying or dividing the numerator and denominator by the same number.



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PRACTICE #1:

Question 1: Find the missing numbers

- | | | | |
|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| (a) $\frac{2}{3} = \frac{\quad}{6}$ | (b) $\frac{1}{5} = \frac{\quad}{20}$ | (c) $\frac{3}{4} = \frac{\quad}{12}$ | (d) $\frac{5}{7} = \frac{10}{\quad}$ |
| (e) $\frac{\quad}{5} = \frac{15}{25}$ | (f) $\frac{4}{\quad} = \frac{12}{21}$ | (g) $\frac{3}{10} = \frac{\quad}{50}$ | (h) $\frac{7}{8} = \frac{14}{\quad}$ |
| (i) $\frac{3}{4} = \frac{30}{\quad}$ | (j) $\frac{\quad}{8} = \frac{55}{88}$ | (k) $\frac{2}{9} = \frac{10}{\quad}$ | (l) $\frac{2}{3} = \frac{\quad}{18}$ |
| (m) $\frac{1}{20} = \frac{5}{\quad}$ | (n) $\frac{5}{6} = \frac{\quad}{18}$ | (o) $\frac{3}{8} = \frac{9}{\quad}$ | (p) $\frac{7}{12} = \frac{\quad}{36}$ |

WORKED EXAMPLE #2:

$\frac{1 \times 4}{2 \times 4} = \frac{4}{8}$	$\frac{1}{2} = \frac{4}{8}$	$\frac{18 \div 6}{30 \div 6} = \frac{3}{5}$	$\frac{18}{30} = \frac{3}{5}$
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PRACTICE #2:

Question 2: Find the missing numbers

(a) $\frac{6}{7} = \frac{42}{\quad}$ (b) $\frac{9}{20} = \frac{63}{\quad}$ (c) $\frac{5}{12} = \frac{35}{\quad}$ (d) $\frac{7}{8} = \frac{\quad}{64}$

(e) $\frac{4}{\quad} = \frac{32}{72}$ (f) $\frac{3}{4} = \frac{\quad}{52}$ (g) $\frac{7}{25} = \frac{140}{\quad}$ (h) $\frac{\quad}{15} = \frac{42}{105}$

(i) $\frac{11}{16} = \frac{88}{\quad}$ (j) $\frac{2}{9} = \frac{\quad}{108}$ (k) $\frac{13}{25} = \frac{\quad}{375}$ (l) $\frac{9}{\quad} = \frac{81}{144}$

PRACTICE #3:

Question 1: Write down 3 different fractions that are equivalent to $\frac{1}{2}$

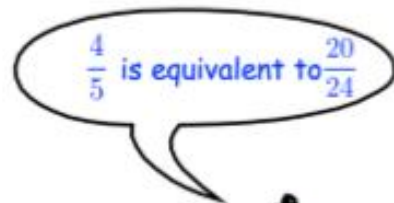
Question 2: Write down 3 different fractions that are equivalent to $\frac{3}{5}$

Question 3: Write down 3 different fractions that are equivalent to $\frac{7}{12}$

Question 4: Dave and Tom are discussing fractions.
Is either man correct?



Dave



Tom



Question 5: Use the grid to explain why $\frac{3}{4}$ cannot be written as a fraction with a denominator of 15.
