

5 a day!



Simplify the fractions. Describe any patterns that you noticed.

a) $\frac{4}{12}$	b) $\frac{8}{12}$	c) $\frac{40}{120}$
$\frac{4}{16}$	$\frac{8}{16}$	$\frac{40}{160}$
$\frac{4}{20}$	$\frac{8}{20}$	$\frac{40}{200}$



Solve these calculations.

$$\frac{3}{10} + \frac{2}{5} \qquad \frac{7}{8} - \frac{1}{4} \qquad \frac{9}{16} - \frac{1}{4}$$



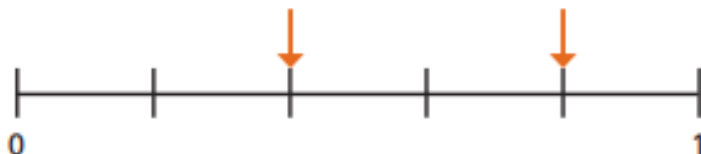
Complete the calculation.

$$\frac{2}{7} \times 2 = \square$$



What fractions are the arrows pointing to?

a)



b)



Nancy has $4\frac{2}{5}$ kg of potatoes.

She has $2\frac{3}{4}$ kg of carrots.

How much heavier are the potatoes than the carrots?

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Complete the calculations. Give your answers in their simplest form

a) $\frac{9}{20} + \frac{3}{5} = \square$ b) $\frac{9}{100} + \frac{7}{20} = \square$
c) $\frac{2}{5} + \square = \frac{17}{30}$



Work out the multiplication. Remember to put the whole number over 1.

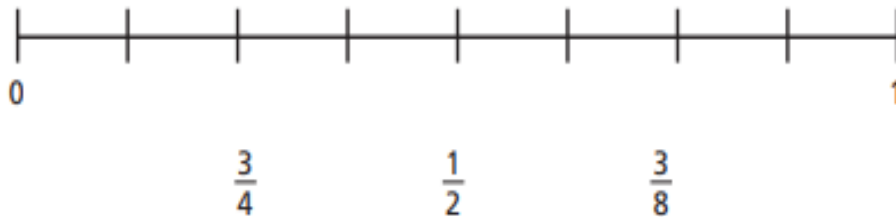
$$\frac{2}{5} \times 4$$



Calculate;

a) $\frac{1}{3}$ of 12 b) $\frac{1}{4}$ of £20
c) $\frac{1}{5}$ of 35 m

Label the number line with the fractions.



is a prime number.



is a multiple of 10.



That fraction can be simplified.
What could each number be? Explain your reasoning.

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Write 3 fractions that simplify to

$$\frac{3}{5}$$



Complete the calculations.

$$\frac{1}{3} \times 6$$

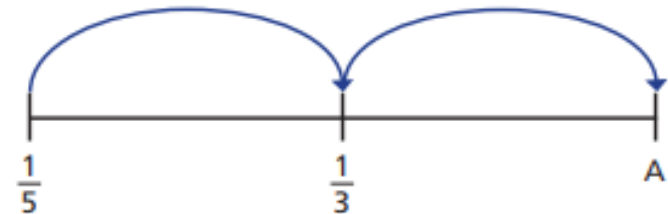
$$\frac{1}{3} \times 2$$

$$\frac{3}{4} \times 4$$

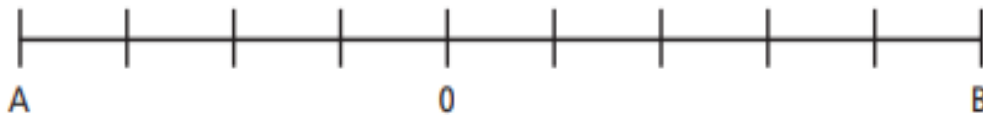
Amy is drawing jumps on a number line. The jumps are the same size.



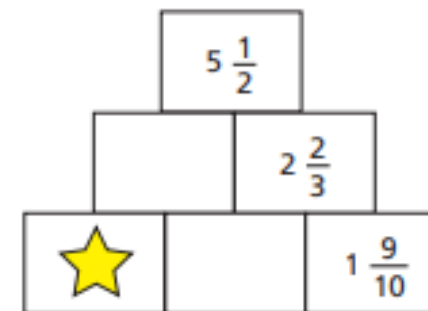
What is the size of the jump?
What is the value of A?



The difference between A and B is 3.
What are the values of A and B?



In this addition pyramid, a number is the sum of the two numbers below it.



Work out the value of the star.

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Order the fractions from smallest to greatest.

$$\frac{7}{10}$$

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

$$\frac{1}{2}$$

$$\frac{3}{10}$$



a) $\frac{1}{5} \div 7$

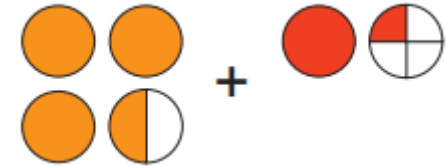
Work out the divisions.

b) $\frac{1}{6} \div 3$

c) $\frac{1}{4} \div 9$



Complete the calculation that is represented.



Show the method that you used.



Teddy and Dora are both simplifying

$$\frac{30}{42}$$

Teddy

$$\frac{30}{42} = \frac{15}{21} = \frac{5}{7}$$

Dora

$$\frac{30}{42} = \frac{5}{7}$$

How do you think Dora was able to simplify the fraction in one step?

$$\frac{3}{4}$$

of a kilogram of rice is divided equally between two bowls.



How much rice is in each bowl?



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Calculate;

a) $\frac{2}{3}$ of 12

b) $\frac{3}{4}$ of £20



Solve the calculations.

a) $2\frac{3}{5} + 1\frac{3}{10}$

b) $4\frac{7}{15} + 2\frac{1}{3}$



Simplify these fractions in one step.

$\frac{24}{30}$ $\frac{56}{64}$ $\frac{16}{20}$ $\frac{99}{121}$



Kurt is comparing the fractions and

$\frac{3}{10}$

$\frac{4}{15}$

$\frac{4}{15} = \frac{8}{30}$ $\frac{3}{10} = \frac{9}{30}$

$\frac{9}{30}$ is greater than $\frac{8}{30}$

$\frac{3}{10}$ is greater than $\frac{4}{15}$

Explain Kurt's method.



Write $<$, $>$ or $=$ to complete each statement.

a) $\frac{1}{3} \div 5$ $\frac{1}{5} \div 3$

b) $\frac{1}{3} \div 3$ $\frac{1}{5} \div 5$

c) $\frac{3}{5} \div 5$ $\frac{3}{5} \div 3$

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