



Estimate

$$\frac{(49.98)^2}{0.401} \approx \frac{50^2}{0.4}$$

$$\frac{2500}{0.4}$$

~~6250~~  
6250

Solve

$$3(x - 4) - 2(x - 1) = 3x - 20$$

$$3x - 12 - 2x + 2 = 3x - 20$$

$$x - 10 = 3x - 20$$

$$10 = 2x$$

$$x = 5$$

Write 50 as a product of primes.  
Give your answer in index form.

$$50 = 2 \times 5 \times 5$$

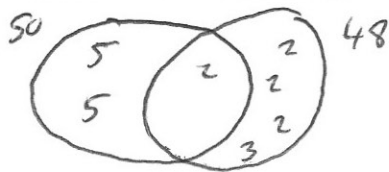
$$50 = 2 \times 5^2$$

Write 48 as a product of primes.  
Give your answer in index form.

$$48 = 2 \times 2 \times 2 \times 2 \times 3$$

$$48 = 2^4 \times 3$$

Find the HCF of 50 and 48.



$$\text{HCF} = 2$$

Find the LCM of 50 and 48.

$$5 \times 5 \times 2 \times 2 \times 2 \times 2 \times 3$$

$$1200$$

A bag contains good and bad apples.  
 $n$  of the apples are good.  
The other 5 apples are bad.

Write down an expression, in terms of  $n$ ,  
for the probability that a bad apple is  
picked at random from the bag.

$$\text{total } n+5$$

$$\frac{5}{n+5}$$