## Homework

1) Write in index form:

a) 73  72 =

b) 83  86 =

c) the prime factors of 625

d) 25  2-8 =

e) 34  3-2 =

2)a) if 16 = 4*x*, what is *x*?

b) if 16 = 2y, what is y?

3) Write down the factors of 96

4) What is the LCM of 15 and 20

5) n2  n3 = n5, so what is:

a) m3  m7 =

b) k5  k5 =

6) Sheets of paper are to be cut into 12 equal pieces. If pupils are to be given 9 pieces each to write the digits 1 to 9 on them, what is the smallest number of whole sheets of paper that can be cut up so that there are no spare pieces of paper?

7) Write down the HCF of 32, 56 and 88

8) Work out:

a) 0.4  21

b) 88  0.1

## c) 0.23  0.01

## d) 352  0.001