



Name: _____



List all the factors of the following numbers:

a) 10 **1, 2, 5, 10**

b) 24 **1, 2, 3, 4, 6, 8, 12, 24**

c) 18 **1, 2, 3, 6, 9, 18**

d) 16 **1, 2, 4, 8, 16**

e) 28 **1, 2, 4, 7, 14, 28**

f) 25 **1, 5, 25**

g) 48 **1, 2, 3, 4, 6, 8, 12, 16, 24, 48**

h) 75 **1, 3, 5, 15, 25, 75**

i) 96 **1, 2, 3, 4, 6, 8, 12, 16, 24, 32, 48, 96**

j) 36 **1, 2, 3, 6, 12, 18, 36**

k) 56 **1, 2, 4, 7, 8, 14, 28, 56**

l) 60 **1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60**

Find the highest common factor (HCF) of the following set of numbers:

m) 10 & 12 **2**

r) 60 & 90 **30**

n) 14 & 18 **2**

s) 56 & 64 **8**

o) 16 & 24 **8**

t) 36 & 60 **12**

p) 12 & 28 **4**

u) 45 & 75 **15**

q) 25 & 35 **5**

v) 48 & 72 **16**

Multiple choice (there may be more than one option in your answer)

w) Circle the numbers listed which are factors of 14, but not multiples of 7

1 2 3 4 5 7 8 10 14 18 28

x) Circle the numbers listed which are factors of 20, but not multiples of 5

1 2 3 4 5 6 8 10 15 20 30

y) Circle the numbers listed which are factors of 30, but not multiples of 4

1 2 3 4 5 7 8 10 12 15 30

z) Circle the numbers listed which are factors of 72, but not multiples of 6

1 3 6 8 9 12 18 24 36 48 72

Exam question:

Timothy is thinking of a whole number which is a factor of 32.
The number is also 1 less than a square number.
What number is Timothy thinking of?

8

