

Name: _____



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Express the following numbers as a product their prime factors:

a) 20

$$2^2 \times 5$$

b) 35

$$5 \times 7$$

c) 50

$$2 \times 5^2$$

d) 38

$$2 \times 19$$

e) 80

$$2^4 \times 5$$

f) 45

$$3^2 \times 5$$

g) 36

$$2^2 \times 3^2$$

h) 132

$$2^2 \times 3 \times 11$$

i) 96

$$2^5 \times 3$$

j) 108

$$2^2 \times 3^3$$

k) 120

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

l) 128

$$2^7$$

 **Exam question:**

Write 350 as a product of its prime factors using index notation.

$$2 \times 5^2 \times 7$$

