

Name:

Class/Set:

Factors, HCF and LCM

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1: List all the factors of the following numbers:

a) 60

b) 80

c) 75

d) 63

2: Express as a product of prime factors:

a) 99

b) 96

c) 78

d) 36

3: Find the HCF of:

a) 160 and 200

b) 100 and 350

c) 264 and 308

d) 108 and 144

e) 40 and 72

f) 90 and 108

g) 48 and 80

h) 36 and 96

4: Find the LCM of:

a) 27 and 36

b) 36 and 90

c) 24 and 30

d) 20 and 30

e) 45 and 75

f) 100 and 120

g) 16 and 20

h) 36 and 60

Answers: Factors, HCF and LCM

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- 1: a) 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60 b) 1, 2, 4, 5, 8, 10, 16, 20, 40, 80
c) 1, 3, 5, 15, 25, 75 d) 1, 3, 7, 9, 21, 63

- 2: a) $3 \times 3 \times 11$ b) $2 \times 2 \times 2 \times 2 \times 2 \times 3$
c) $2 \times 3 \times 13$ d) $2 \times 2 \times 3 \times 3$

- 3: a) 40 b) 50 c) 44 d) 36
e) 8 f) 18 g) 16 h) 12

- 4: a) 108 b) 180 c) 120 d) 60
e) 225 f) 600 g) 80 h) 180