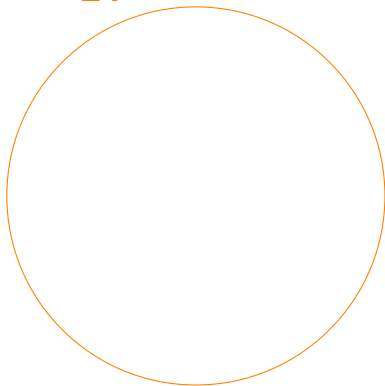hcf & lcm

venn diagrams

Venn diagram

Find the HCF and the LCM of 24 and 60.
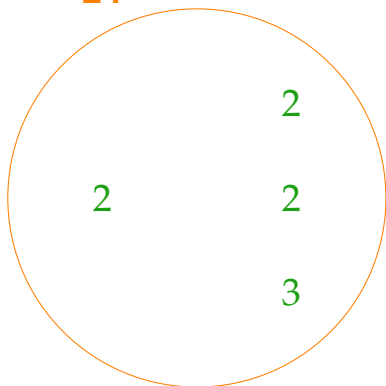
24

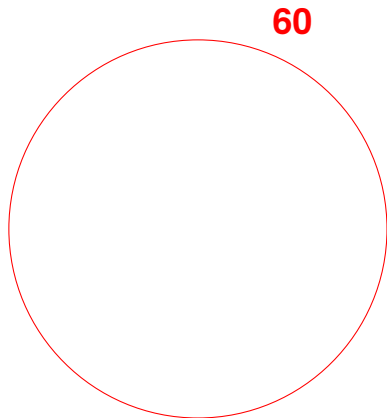Find the HCF and the LCM of 24 and 60.

24

2

2   2

3

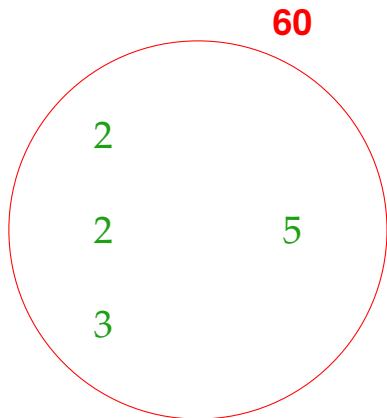# Venn diagram

Find the HCF and the LCM of 24 and 60.

60

Find the HCF and the LCM of 24 and 60.

60

2

2   5

3

Venn diagram

Find the HCF and the LCM of 24 and 60.

exercises

a) LCM $(5, 6)$

b) LCM $(18, 72)$

c) LCM $(35, 40)$

d) LCM $(5, 8, 10)$

e) LCM $(84, 184)$

f) HCF $(18, 24)$

g) HCF $(14, 91)$

h) HCF $(84, 120)$

i) HCF $(6, 30, 96)$

j) HCF $(56, 980)$

a) LCM $(5, 6)$

b) LCM $(18, 72)$

c) LCM $(35, 40)$

d) LCM $(5, 8, 10)$

e) LCM $(84, 184)$

f) HCF $(18, 24)$

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i) HCF $(6, 30, 96)$

j) HCF $(56, 980)$

Extension

A red light flashes every 5 seconds, a blue light every 8 seconds and a green light every 10 seconds. They have all just flashed at the same time. When will they next flash together again?

Exercises 1
Calculate the following

a) LCM $(5, 6)$ 30

b) LCM $(18, 72)$ 72

c) LCM $(35, 40)$ 280

d) LCM $(5, 8, 10)$ 40

e) LCM $(84, 184)$ 3864

f) HCF $(18, 24)$

g) HCF $(14, 91)$

h) HCF $(84, 120)$

i) HCF $(6, 30, 96)$

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Extension

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a) LCM $(5, 6)$ 30

b) LCM $(18, 72)$ 72

c) LCM $(35, 40)$ 280

d) LCM $(5, 8, 10)$ 40

e) LCM $(84, 184)$ 3864

f) HCF $(18, 24)$ 6

g) HCF $(14, 91)$ 7

h) HCF $(84, 120)$ 12

i) HCF $(6, 30, 96)$ 6

j) HCF $(56, 980)$ 28

Extension

A red light flashes every 5 seconds, a blue light every 8 seconds and a green light every 10 seconds. They have all just flashed at the same time. When will they next flash together again?

Exercises 1
Calculate the following

a) LCM $(5, 6)$ 30

b) LCM $(18, 72)$ 72

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Extension

A red light flashes every 5 seconds, a blue light every 8 seconds and a green light every 10 seconds. They have all just flashed at the same time. When will they next flash together again?

40 seconds