

Finding GCF and LCM with Prime Factorization Method

[A] Find GCF using the prime factorization method.

① 49, 63

② 4, 18

③ 14, 34

GCF = _____

GCF = _____

GCF = _____

④ 15, 24

⑤ 24, 120

⑥ 21, 98

GCF = _____

GCF = _____

GCF = _____

[B] Find LCM using the prime factorization method.

① 14, 18

② 25, 40

③ 12, 50

LCM = _____

LCM = _____

LCM = _____

④ 10, 22

⑤ 8, 20

⑥ 4, 9

LCM = _____

LCM = _____

LCM = _____

Finding GCF and LCM with Prime Factorization Method

Answers

① 49, 63

② 4, 18

③ 14, 34

$$\text{GCF} = \underline{7}$$

$$\text{GCF} = \underline{2}$$

$$\text{GCF} = \underline{2}$$

④ 15, 24

⑤ 24, 120

⑥ 21, 98

$$\text{GCF} = \underline{3}$$

$$\text{GCF} = \underline{24}$$

$$\text{GCF} = \underline{7}$$

① 14, 18

② 25, 40

③ 12, 50

$$\text{LCM} = \underline{126}$$

$$\text{LCM} = \underline{200}$$

$$\text{LCM} = \underline{300}$$

④ 10, 22

⑤ 8, 20

⑥ 4, 9

$$\text{LCM} = \underline{110}$$

$$\text{LCM} = \underline{40}$$

$$\text{LCM} = \underline{36}$$