

Exercise 2E

Q1

Answer:

The given numbers are 42 and 63.

We have:

Q2

Answer:

The given numbers are 60 and 75.

We have:

$$54,5$$
 $24,1$
 $22,1$
 $1,1$

$$\therefore LCM = 3 \times 5 \times 5 \times 2 \times 2$$
$$= 300$$

Q3

Answer:

The given numbers are 12, 18 and 20. We have:

2 12,18,20
2 6,9,10
3 3,9,5
3 1,3,5
5 1,1,5
1,1,1

$$\therefore$$
 LCM = 2 × 2 × 3× 3 × 5
= 180

Q4

Answer:

The given numbers are 36, 60 and 72.

We have:

9 26 60 79

$$\therefore LCM = 2 \times 2 \times 2 \times 3 \times 3 \times 5$$
$$= 360$$

Q5

Answer:

The given numbers are 36, 40 and 126.

We have:

$$\therefore LCM = 2 \times 3 \times 3 \times 2 \times 2 \times 5 \times 7$$
$$= 2520$$

Answer:

The given numbers are 16, 28, 40 and 77. We have:

: LCM =
$$2 \times 7 \times 2 \times 2 \times 2 \times 5 \times 11$$

= 6160

Q7

Answer:

The given numbers are 28, 36, 45 and 60.

We have:

$$\therefore LCM = 2 \times 2 \times 3 \times 3 \times 5 \times 7$$
$$= 1260$$

Q8

Answer:

The given numbers are 144, 180 and 384.

We have:

: LCM =
$$2^7 \times 3^2 \times 5$$

= 5760

********* END ********