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EXERCISE = 10 (E)

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① a, 2 and 6

multiple of 2 \rightarrow 2, 4, ⑥

multiple of 6 \rightarrow ⑥, 12, 18

Here, 6 is the first common multiple of 2 and 6.

So, the LCM of 2 and 6 \rightarrow 6

b. 4 and 12

multiples of 4 \rightarrow 4, 8, ⑫

multiples of 12 \rightarrow ⑫, 24, 36

Here, 12 is the first common multiple of ~~4 and 12~~ 4 and 12.

So, the LCM of 4 and 12 is \rightarrow 12

c. 5 and 3

multiples of 5 = 5, 10, (15)

multiples of 3 = 3, 6, 9, 12, (15)

Here, 15 is the first common

multiple of 5 and 3.

So, the LCM of 5 and 3 \rightarrow 15

d. 3 and 9

multiples of 3 \rightarrow 3, 6, (9)

multiples of 9 \rightarrow (9), 18, 27

Here, 9 is the first common

multiple of 3 and 9

So, the LCM of 3 and 9 \rightarrow 9

e, 10 and 20

multiples of 10 = 10, 20, 30

multiples of 20 = 20, 40, 60

Here, 20 is the first common

multiple of 10 and 20.

So, the LCM of 10 and 20 \rightarrow 20

f, 6 and 4

multiples of 6 = 6, 12, 18

multiples of 4 = 4, 8, 12

Here, 12 is the first common

multiple of 6 and 4

So, the LCM of 6 and 4 \rightarrow 12

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g, 4, 18

multiples of $4 \rightarrow 4, 8, 12, 16, 20, 24$
 $28, 32, 36, 40$

multiples of $18 \rightarrow 18, 36, 54$

Here, 36 is the first common
multiple of 4 and 18.

So the LCM of 4 and 18 $\rightarrow 36$

h, 4, 6

multiples of $4 \rightarrow 4, 8, 12$

multiples of $6 \rightarrow 6, 12, 18$

Here, 12 is the first common
multiple of 4 and 6

So, the LCM of 4 and 6 $\rightarrow 12$

i, 16, 8

multiples of 16 \rightarrow 16, 32, 48

multiples of 8 \rightarrow 8, 16, 24

Here, 16 is the first common multiple of 16 and 8.

So, the LCM of 16 and 8 \rightarrow 16

j, 9, 12

multiples of 9 \rightarrow 9, 18, 27, 36

multiples of 12 \rightarrow 12, 24, 36

Here, 36 is the first common multiple of 9 and 12.

So, the LCM of 9 and 12 \rightarrow 36