

Class4.mathematics
Multiples and Factors
Answer Key

EXERCISE 5.1

B.1. $10 \times 1 = 10, 10 \times 2 = 20, 10 \times 3 = 30$

2. $7 \times 1 = 7, 7 \times 2 = 14, 7 \times 3 = 21$

3. $11 \times 1 = 11, 11 \times 2 = 22, 11 \times 3 = 33$

4. $12 \times 1 = 12, 12 \times 2 = 24, 12 \times 3 = 36$

5. $20 \times 1 = 20, 20 \times 2 = 40, 20 \times 3 = 60$

6. $35 \times 1 = 35, 35 \times 2 = 70, 35 \times 3 = 105$

C.1. $8 \times 1 = 8, 16, 24, 32, 40$

2. $12 \times 1 = 12, 24, 36, 48, 60$

3. $17 \times 1 = 17, 34, 51, 68, 85$

4. $26 \times 1 = 26, 52, 78, 104, 130$

5. $41 \times 1 = 41, 82, 123, 164, 205$

6. $55 \times 1 = 55, 110, 165, 220, 275$

D. 1. $5 \times 1 = 5, 5 \times 3 = 15, 5 \times 5 = 25,$

$5 \times 7 = 35, 5 \times 9 = 45$

2. $11 \times 1 = 11, 11 \times 3 = 33, 11 \times 5 = 55$

$11 \times 7 = 77, 11 \times 9 = 99$

3. $19 \times 1 = 19, 19 \times 3 = 57, 19 \times 5 = 95$

$19 \times 7 = 133, 19 \times 9 = 171$

4. $31 \times 1 = 31, 31 \times 3 = 93, 31 \times 5 = 155$

$31 \times 7 = 217, 31 \times 9 = 279$

5. $53 \times 1 = 53, 53 \times 3 = 159, 53 \times 5 = 265$

$53 \times 7 = 371, 53 \times 9 = 477$

6. $73 \times 1 = 73, 73 \times 3 = 219, 73 \times 5 = 365$

$73 \times 7 = 511, 73 \times 9 = 657$

E. 1. $9 \times 2 = 18, 9 \times 4 = 36, 9 \times 6 = 54, 72, 90$

2. $16 \times 1 = 16, 16 \times 2 = 32, 16 \times 3 = 48, 64, 96$

3. $24 \times 1 = 24, 24 \times 2 = 48, 24 \times 3 = 72, 96, 120$

4. $35 \times 2 = 70, 35 \times 4 = 140, 35 \times 6 = 210,$
 $280, 350$

5. $48 \times 1 = 48, 48 \times 2 = 96, 48 \times 3 = 144,$
 $192, 240$

F. 1. $4 \times 11 = 44, 4 \times 12 = 48, 4 \times 13 = 52$

$4 \times 14 = 56$

2. $6 \times 11 = 66, 6 \times 12 = 72, 6 \times 13 = 78$

$6 \times 14 = 84$

3. $12 \times 1 = 12, 12 \times 2 = 24, 12 \times 3 = 36,$

$12 \times 4 = 48$

4. $15 \times 1 = 15$, $15 \times 2 = 30$, $15 \times 3 = 45$

G. F, T, T, T, T, F, T

Exercise 5.2

B.1. Multiples of 2=

2,4,6,8,10,12,14,16,18,20

Multiples of 3=

3,6,9,12,15,18,21,24,27,30

Common Multiples

6,12,18

2. Multiples of 5=

5,10,15,20,25,30,35,40,45,50

Multiples of 10=

10,20,30,40,50,60,70,80,90,100

Common Multiples

10,20,30,40,50

3. 4= 4,8,12,16,24,28,32,36,40

6= 6,12,18,24,30,36,42,48,54,60

Common= 12,24,36

4. 3= 3,6,9,12,15,18,21,24,27,30

9= 9,18,27,36,45,54,63,72,81,90

Common= 9,18,27

5. 7= 7,14,21,28,35,42,49,56,63,70

8= 8,16,24,32,40,48,56,64,72,80

Common= 56

Exercise 5.3

B.1. $1 \times 15 = 15$, $3 \times 5 = 15$

Factors= 1,3,5,15

2. $1 \times 16 = 16$, $2 \times 8 = 16$, $4 \times 4 = 16$

Factors= 1,2,4,8,16

3. $1 \times 35 = 35$, $5 \times 7 = 35$

Factors= 1,5,7,35

4. $1 \times 36 = 36$, $2 \times 18 = 36$, $3 \times 12 = 36$,

$4 \times 9 = 36$, $6 \times 6 = 36$

Factors= 1,2,3,4,6,9,12,18,36

5. $1 \times 23 = 23$. Factors= 1,23

6. $1 \times 81 = 81$, $3 \times 27 = 81$, $9 \times 9 = 81$

Factors= 1,3,9,27,81

C. 1. $18 \div 1 = 18$, $18 \div 2 = 9$, $18 \div 3 = 6$

$18 \div 18 = 1$, $18 \div 9 = 2$, $18 \div 6 = 3$

2. $25 \div 1 = 25$, $25 \div 25 = 1$

3. $39 \div 1 = 39$, $39 \div 3 = 13$, $39 \div 13 = 3$

$39 \div 39 = 1$

4. $42 \div 1 = 42$, $42 \div 2 = 21$, $42 \div 3 = 14$

- $42 \div 6 = 7, 42 \div 7 = 6, 42 \div 14 = 3$
 $42 \div 21 = 2, 42 \div 42 = 1$
 5. $56 \div 56 = 1, 56 \div 2 = 28, 56 \div 4 = 14$
 $56 \div 7 = 8, 56 \div 8 = 7, 56 \div 14 = 4$
 $56 \div 28 = 2, 56 \div 1 = 56$
 6. $93 \div 93 = 1, 93 \div 3 = 31, 93 \div 1 = 93$

Exercise 5.4

- A.1. Factors of 6 = 1, 2, 3, 6
 ". 8 = 1, 2, 4, 8
 Common Factors = 1, 2
2. Factors of 30 = 1, 2, 3, 5, 6, 10, 15, 30
 ". 45 = 1, 3, 5, 9, 15, 45
 Common Factors = 1, 3, 5, 15
3. Factors of 21 = 1, 3, 7, 21
 ". 24 = 1, 2, 3, 4, 6, 8, 12, 24
 Common Factors = 1, 3
4. Factors of 28 = 1, 2, 4, 7, 14, 28
 ". 35 = 1, 5, 7, 35
 Common Factors = 1, 7
5. Factors of 24 = 1, 2, 3, 4, 6, 8, 12, 24
 ". 36 = 1, 2, 3, 4, 6, 9, 12, 18, 36
 Common Factors = 1, 2, 3, 4, 6, 12
6. Factors of 16 = 1, 2, 4, 8, 16
 ". 15 = 1, 3, 5, 15
 Common Factors = 1
7. Factors of 20 = 1, 2, 4, 5, 10, 20
 ". 32 = 1, 2, 4, 8, 16, 32
 Common Factors = 1, 2, 4
8. Factors of 40 = 1, 2, 4, 5, 8, 10, 20, 40
 ". 48 = 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
 Common Factors = 1, 2, 4, 8.

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