



## Determine greatest common factors and least common multiples

**1**

Find the greatest common factor of these numbers from their factorization by choosing the set of shared factors

$$4(= 2 \times 2)$$

$$12(= 2 \times 2 \times 3)$$

A 22

B 16

C 23

D 26

E 3

F 4

**2**

Find the lowest common multiple of these numbers from their factorization by choosing the set of all distinct factors

$$3(= 3)$$

$$4(= 2 \times 2)$$

A 12

B 10

C 13

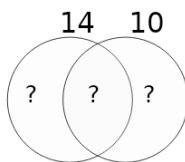
D 15

E 14

F 58

**3**

Use the factor diagram to find the greatest common factor of these numbers.



A 2

B 5

C 3

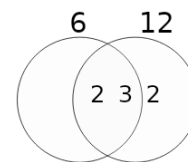
D 14

E 4

F 12

**4**

Find the LCM of these numbers by multiplying the set of all distinct prime factors



A 68

B 51

C 59

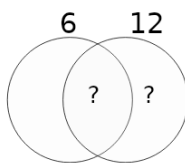
D 12

E 50

F 22

**5**

Use the factor diagram to find the lowest common multiple of these numbers



A 12

B 43

C 6

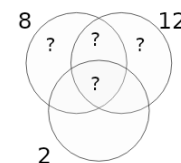
D 39

E 8

F 75

**6**

Use the factor diagram to find the greatest common factor of these numbers



A 12

B 4

C 2

D 7

E 3

F 11

**7**

Find the greatest common factor of these numbers from their factorization by choosing the set of shared factors

$$14(= 2 \times 7)$$

$$12(= 2 \times 2 \times 3)$$

$$6(= 2 \times 3)$$

|    |    |   |
|----|----|---|
| A  | B  | C |
| 1  | 15 | 2 |
| D  | E  | F |
| 12 | 13 | 9 |

**8**

12, 9

A 2

B 10

C 13

D 5

E 1

F 3



## Determine greatest common factors and least common multiples

**9**

6, 18, 15

A 10

B 4

C 3

D 18

E 9

F 5

**10**

3, 7

A 17

B 18

C 83

D 144

E 21

F 101

**11**

10, 2

A 10

B 4

C 1

D 12

E 11

F 2

**12**

8, 16, 14

A 9

B 5

C 8

D 12

E 4

F 2