

## Choose the correct answer

- (1) The smallest prime number is .....
- a 0                      b 1                      c 2                      d 3
- (2)  $123.7 \times \dots\dots\dots = 1.237$
- a 10                      b 100                      c 0.1                      d 0.01
- (3) The first step to evaluate the expression:  $5 + 4 \times 6 - 7$  is .....
- a addition                      b subtraction                      c multiplication                      d division
- (4) 0.8 liters = ..... ml
- a 0.8                      b 8                      c 80                      d 800
- (5) 2, 3, 5 are all prime factors of the number .....
- a 6                      b 10                      c 15                      d 30
- (6)  $31.21 \div 0.01 = \dots\dots\dots$
- a 3121                      b 312.1                      c 3,1210                      d 0.3121
- (7) The digit in the thousandth place in the number 3.215 is .....
- a 1                      b 2                      c 5                      d 3
- (8)  $36.1 \times 0.1 = \dots\dots\dots$
- a 0.0361                      b 0.361                      c 3.61                      d 3610
- (9) ..... is a prime number.
- a 1                      b 4                      c 12                      d 19
- (10)  $23.257 \approx \dots\dots\dots$  (to the nearest hundredth)
- a 23.26                      b 23.25                      c 24                      d 23.3
- (11) The multiplicative identity element is .....
- a 0                      b 1                      c 2                      d 3
- (12) The additive identity element is .....
- a 0                      b 1                      c 2                      d 3

- (13)  $K - 27.6 = 21.3$   
 a 63                      b 48.9                      c 6.3                      d 489
- (14)  $36.36 \div 36 = \dots\dots\dots$   
 a 1.1                      b 101                      c 1.01                      d 111
- (15)  $36.2 - 2.1 \times 2 + 3$   
 a 30                      b 35                      c 305                      d 3.25
- (16) The value of the digit 7 in the number 3.279 is .....  
 a 7                      b 70                      c 0.7                      d 0.07
- (17)  $23.4 \times \frac{1}{10} = \dots\dots\dots$   
 a 23.4                      b 2.34                      c 0.234                      d 234
- (18) If  $x + 2.7 = 7$ , then  $x = \dots\dots\dots$   
 a 4.3                      b 3.4                      c 2                      d 5.7
- (19)  $30 + 0.5 + 0.07 = \dots\dots\dots$  (in the standard form)  
 a 30.75                      b 30.57                      c 3057                      d 3.057
- (20) ..... is a common factor of all numbers.  
 a 0                      b 1                      c 2                      d 3
- (21) All the following numbers are prime except .....  
 a 2                      b 3                      c 9                      d 11
- (22)  $\frac{324}{1000} = \dots\dots\dots$  in the decimal form.  
 a 3.24                      b 0.324                      c 32.4                      d 324
- (23) 3 ones, 5 hundredths, 2 thousandths = ..... (in the standard form)  
 a 3.052                      b 3.025                      c 3.52                      d 5.23
- (24) The prime factors of 18 are .....  
 a 3, 6                      b 2, 3, 3                      c 2, 9                      d 1, 8

- (25)  $29 \div 7 = 4 \text{ R } \dots\dots$   
 (a) 1 (b) 2 (c) 3 (d) 4
- (26)  $523 \text{ g} = \dots\dots\dots \text{ kg}$   
 (a) 5230 (b) 5.23 (c) 0.523 (d) 52.3
- (27) If  $36.5 \times 100 = 3650$ , then  $36.5 \div \dots\dots = 3650$   
 (a) 10 (b) 100 (c) 0.1 (d) 0.01
- (28) The LCM of 4 and 8 is .....  
 (a) 1 (b) 2 (c) 4 (d) 8
- (29) The GCF of 6 and 12 is .....  
 (a) 1 (b) 2 (c) 3 (d) 6
- (30) 0.2 is equivalent to .....  
 (a) 0.200 (b) 20 (c) 200 (d) 2000
- (31) ..... is a common multiple of all numbers.  
 (a) 0 (b) 1 (c) 2 (d) 3
- (32) The GCF of 13 and 17 is .....  
 (a) 1 (b) 13 (c) 17 (d) otherwise
- (33) All the following are expressions except .....  
 (a)  $2x + 3$  (b)  $3x - 5$  (c)  $3y + 13$  (d)  $2x = 14$
- (34) In the opposite area model, the value of x is .....  
 (a) 12 (b) 1.2 (c) 120 (d) 1200
- (35)  $14 \times 27 = (10 \times 20) + (10 \times 7) + (4 \times 20) + (4 \times \dots\dots)$   
 (a) 10 (b) 4 (c) 20 (d) 7
- (36)  $3 \times 2 \text{ thousandths} = \dots\dots\dots \text{ thousandths}$   
 (a) 5 (b) 6 (c) 32 (d) 23

	50	6
4	200	24
20	1,000	x

(37) In the opposite area model, the value of M is .....

	4	0.3
2	8	0.6
0.5	M	0.15

- a 20      b 2      c 0.2      d 0.02

(38) 3 tenths  $\times$  4 tenths = .....

- a 12      b 1.2      c 0.12      d 0.012

(39) If  $1168 \times 24 = 28032$ , then  $11.68 \times 2.4 = \dots\dots\dots$

- a 28.032      b 2.8032      c 280.32      d 2803.2

(40) The ones digit in the product of  $23 \times 324$  is .....

- a 1      b 2      c 3      d 4

(41)  $36.9 \div 9 = \dots\dots\dots$

- a 4.1      b 41      c 0.41      d 1.4

(42) 36 thousandths ..... 36 hundredths

- a <      b >      c =      d otherwise

(43)  $24 \times 10$  .....  $24 \div 0.1$

- a <      b >      c =      d otherwise

(44) In the opposite area model, the quotient is .....

	100	50
7	1,050 - 700 350	350 - 350 0

- a 1,050      b 7      c 50      d 150

(45) In the opposite area model, the dividend is .....

	100	50
7	1,050 - 700 350	350 - 350 0

- a 1,050      b 7      c 50      d 150

(46) In the opposite area model, the divisor is .....

	100	10	6
31	3,622 - 3,100 522	522 - 310 212	212 - 186 26

- a 116      b 3,622      c 31      d 26

(47) In the opposite area model, the remainder is .....

	100	10	6
31	3,622 - 3,100 522	522 - 310 212	212 - 186 26

- a 116      b 3,622      c 31      d 26

## Complete

- |      |   |
|------|---|
| (1)  | $444.4 \div 4 = \dots\dots\dots$  |
| (2)  | $43.5 + 8.217 = \dots\dots\dots$  |
| (3)  | The value of the digit 5 in the number 3.215 is $\dots\dots\dots$                   |
| (4)  | The place value of the digit 1 in the number 3.215 is $\dots\dots\dots$             |
| (5)  | $6.35 \text{ kg} = \dots\dots\dots \text{ g}$                                       |
| (6)  | $35.2 - 3 \times 3.2 + 1 = \dots\dots\dots$   |
| (7)  | In the pattern: (2, 5, 8, 11, ..... ) the rule is $\dots\dots\dots$                 |
| (8)  | Twenty one and seventy eight thousandths = $\dots\dots\dots$ (in the standard form) |
| (9)  | The number whose all prime factors are (2, 2, 5) is $\dots\dots\dots$               |
| (10) | $248 \text{ g} = \dots\dots\dots \text{ kg}$  |
| (11) | The GCF of 3 and 15 is $\dots\dots\dots$  |
| (12) | The LCM of 5 and 15 is $\dots\dots\dots$  |
| (13) | $0.45 \div 0.9 = \dots\dots\dots$   |
| (14) | The number 12 has $\dots\dots\dots$ factors   |
| (15) | $5 \times 24 = (5 \times 4) + (5 \times \dots\dots\dots)$                           |
| (16) | $5.2 \text{ m} = \dots\dots\dots$   |
| (17) | $24 - 3.15 = \dots\dots\dots$   |
| (18) | $3.5 \text{ L} - 2000 \text{ ml} = \dots\dots\dots \text{ L}$                       |
| (19) | The number 17 has $\dots\dots\dots$ factors.  |
| (20) | $34.28 \div 10 = \dots\dots\dots$   |
| (21) | $1227 \div 12 = 102 \text{ R } \dots\dots\dots$                                     |
| (22) | $7368 \div \dots\dots\dots = 73.68$   |
| (23) | All prime numbers are odd except $\dots\dots\dots$                                  |

(24)  $0.28 \div 0.04 = \dots \div 4$

(25)  $1, 1, 2, 3, 5, 8, \dots$  (in the same pattern)

(26) If:  $4.71 + n = 9.84$ , then  $n = \dots$

(27)  $2.346 \times 10 = \dots$

(28)  $37.25 \div 10 = \dots$

(29)  $1,227 \div 12 = 102 \text{ R } \dots$

(30)  $130 \times 30 = \dots$

**Essay Problems**

Use the order of operations to evaluate:

$12 + (9 - 2) \times 5 =$

(1)

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.....

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Find GCF and LCM of 20 and 30

(2)

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A group of 45 people want to travel by bus. Each bus ticket costs 23 pounds. How much do they need to pay in all?

(3)

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Solve the equation:

$$Y - 12.5 = 3.04$$

(4)

.....

.....

Find:  $32 \times 124$

Find:  $48.65 \div 32$

(5)

Find:  $2.3 \times 32.4$

Find:  $27.43 \div 1.3$

(6)

Use the order of operations to evaluate:

$$5.5 \div 5 \times 10 - 10$$

(7)

.....

.....

.....

(8)

Ola saved 17.25 pounds and her brother Hosam saved 8.5 pounds. Find the sum they saved together.

They saved = .....

(9)

(Subtract 3.1 from 4.6, then multiply the result by 0.01) Write and evaluate the expression.

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(10)

Mona has 1.275 kg of flour. She wants to make a cake which needs 2 kg of flours. How many more flours does she need?

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(11)

Find GCF and LCM of 18 and 24

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**Best Wishes**