Choose the correct answer.

1. Any _____ number is divisible by 2

A. whole B. prime
C. odd D. even

2. Any number is divisible by 3 if the sum of its digits is divisible by _____

A. 2 B. 3 C. 5 D. 4

3. The number 75 is divisible by _____

A. 2 B. 4 C. 5 D. 10

4. The number 1,132 is divisible by _____

A. 4 B. 5 C. 6 D. 10

5. The number _____ is NOT divisible by 4

A. 412 B. 444 C. 516 D. 434

6. 3,516 is NOT divisible by _____

A. 3 B. 4 C. 5 D. 6

7. [511 + _____] is divisible by 5

A. 1 B. 3 C. 6 D. 9

8. [715 – _____] is divisible by 4

A. 1 B. 2 C. 3 D. 4

9. The number _____ is divisible by both 4 and 5

A. 200 B. 315 C. 210 D. 745

10. The number _____ is divisible by 2 , 3 , 4 and 10

A. 200 B. 600 C. 750 D. 636

11. The number _____ is divisible by 4 , 6 and 10

A. 120 B. 130 C. 230 D. 440

12. The number _____ is divisible by 2 , 3 , 4 , 5 , 6 and 10

A. 20 B. 30 C. 40 D. 60

13. The numbers which are divisible by both 2 and 3 are also divisible by _____

A. 5 B. 10 C. 6 D. 4

14. If the Ones digit of a number is 0 , then it is always divisible by _____

A. 0 B. 3 C. 6 D. 10

15. Each whole number is divisible by _____

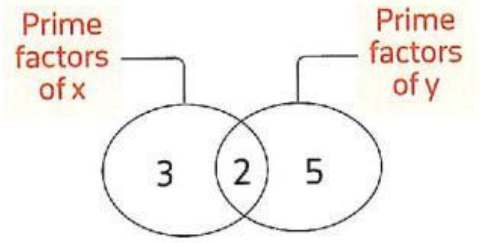
A. 0 B. 1 C. 2 D. 5

LIVEWORKSHEETS

Choose the correct answer.

1. In the opposite Venn diagram , the value of x is _____ [Cairo 24]

A. 2
B. 6
C. 10
D. 30



2. The L.C.M of 5 and 7 is _____

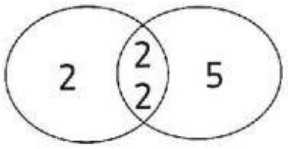
A. 0
B. 1
C. 12
D. 35

3. The L.C.M of 6 and 10 = _____ [Alexandria – Montaza 24]

A. 2
B. 16
C. 30
D. 5

4. From the opposite Venn diagram , the G.C.F = _____ [El Monofia – Menof 24]

A. 60
B. 4
C. 6
D. 20



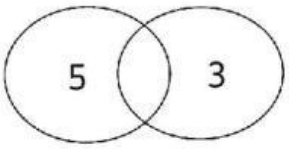
5. _____ is a multiple of any number.

A. 0
B. 1
C. 2
D. 3

6. The common factor of all numbers is _____ [Giza – 6th October 24]

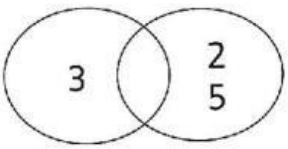
A. 2
B. 1
C. 4
D. 0

7. From the opposite Venn diagram , the G.C.F = _____ [Ismailia 24]



A. 5
B. 1
C. 3
D. 15

8. From the opposite Venn diagram , the L.C.M = _____ [Souhag 24]



A. 1
B. 3
C. 10
D. 30

9. Which of the following are relatively prime numbers ? [El Menia – Matai 24]

A. 2 and 6
B. 4 and 9
C. 4 and 8
D. 10 and 15

10. The G.C.F of two relatively prime numbers is _____ [Giza 24 , El Menia 24]

A. 0
B. 1
C. 2
D. 3

LIVEWORKSHEETS

Choose the correct answer.

1. $16 + 24 = 8\,(2 + \_\_\_\_\_)$ [Cairo 24]

A. 24 B. 16
C. 2 D. 3

2. $18 + 12 = 6 \times (\_\_\_\_\_)$ [Alexandria - Mid 24]

A. 3×2 B. $3 + 2$
C. $18 + 12$ D. $12 + 6$

3. $10 + 45 = 5\,(\_\_\_\_\_ + \_\_\_\_\_)$ [Cairo - El Mokattam 24]

A. 10 , 40 B. 5 , 40
C. 9 , 5 D. 2 , 9

4. $5\,(2 + \_\_\_\_\_) = 10 + 35$

A. 5 B. 7
C. 2 D. 8

5. $\_\_\_\_\_\,(5 + 2) = 15 + 6$

A. 2 B. 3
C. 4 D. 5

6. $7\,[2 + 1] = \_\_\_\_\_$

A. $14 + 7$ B. $14 + 1$
C. $14 + 71$ D. $72 + 71$

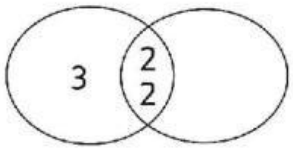
7. $9\,(1 + 2) = 9 + \_\_\_\_\_$

A. 9 B. 81
C. 18 D. 27

8. $5 + 12 = \_\_\_\_\_\,(5 + 12)$ [Giza - Awseem 24]

A. 1 B. 5
C. 12 D. 60

9. The opposite Venn diagram represents the prime factors of two numbers.
The expression that represents the addition of two numbers using distributive property is _____



A. $4\,(3 + 4)$ B. $3\,(4 + 1)$ C. $4\,(3 + 1)$ D. $3\,(2 + 2)$

10. A student is given 20 packs of cheese and 40 grain bags to make food boxes. He uses the expression $10\,[2 + 4]$ to represent how many boxes he could make with equal amounts of food in each box. His friend tells him that there is a way to make more boxes. Which one of these expressions would represent his friend's solution ?

A. $20\,(2 + 4)$ B. $10\,(1 + 2)$ C. $10\,(1 + 4)$ D. $20\,(1 + 2)$

11. Petra is making packs for a group of her friends going on a trip. Each pack should have the same number of sandwiches and the same number of juice bottles if she has 24 sandwiches and 30 juice bottles. What is the expression that represents the greatest number of packs that she can make with no left overs ?

A. $2\,(12 + 15)$ B. $3\,(8 + 10)$ C. $4\,(6 + 5)$

LIVEWORKSHEETS

Choose the correct answer.

1. $\frac{1}{5}+\frac{1}{8}=$ _____ [Porst Said 24]

A. $\frac{1}{13}$ B. $\frac{1}{3}$ C. $\frac{1}{40}$ D. $\frac{13}{40}$

2. $\frac{3}{4}-\frac{5}{8}=$ _____

A. $\frac{1}{4}$ B. $\frac{1}{8}$ C. $\frac{3}{8}$ D. $\frac{5}{8}$

3. $9\frac{4}{7}-9\frac{1}{7}=$ _____

A. 0 B. $9\frac{3}{7}$ C. $\frac{3}{7}$ D. $1\frac{2}{7}$

4. $5\frac{1}{2}+3\frac{1}{5}=$ _____ [Cairo - El Mokattam 24]

A. $8\frac{2}{7}$ B. $8\frac{7}{10}$ C. $8\frac{1}{2}$ D. $8\frac{2}{5}$

5. The L.C.M of 5 and 15 is _____

A. 15 B. 30 C. 0 D. 1

6. $\frac{1}{4}+\frac{2}{4}+\frac{3}{4}+\frac{2}{4}=$ _____

A. 2 B. $\frac{7}{8}$ C. 1 D. $\frac{5}{8}$

7. $2\frac{1}{4}+1\frac{3}{4}=$ _____ [Cairo 24]

A. $3\frac{1}{2}$ B. 4 C. $1\frac{3}{4}$ D. 2

8. $10-3\frac{1}{4}=$ _____ [El Kalyoubia 24]

A. $7\frac{1}{4}$ B. $6\frac{1}{4}$ C. $7\frac{3}{4}$ D. $6\frac{3}{4}$

9. $\frac{3}{8}-\frac{1}{4}=$ _____ [Port Said 24]

A. $\frac{3}{8}$ B. $\frac{1}{4}$ C. $\frac{1}{8}$ D. $\frac{3}{4}$

10. $4\frac{3}{8}-2\frac{1}{4}=$ _____ [Giza - Abo El Nomraus 24]

A. $2\frac{1}{4}$ B. $1\frac{1}{4}$ C. $2\frac{1}{8}$ D. $2\frac{2}{4}$

11. $\frac{3}{4}-\frac{1}{11}=$ _____ [Cairo – 24]

A. $\frac{2}{7}$ B. $\frac{37}{44}$ C. $\frac{29}{44}$ D. $\frac{2}{14}$

12. You buy one package of grape with 24 pieces. You have already ate one piece when you remembered that you have given your friend half of the grape package.

a. What fraction represent the number of pieces with your friend ?

A. $\frac{6}{24}$ B. $\frac{12}{24}$ C. $\frac{18}{24}$ D. $\frac{23}{24}$

b. After giving your friend his share, what fraction represents the amount of the fruit package that is left ?

A. $\frac{11}{24}$ B. $\frac{12}{24}$ C. $\frac{4}{24}$ D. $\frac{6}{24}$

LIVEWORKSHEETS

Choose the correct answer.

1. The smallest counting number is _____ [Luxor 24 , Souhag 24]

A. 0 B. 1

C. 2 D. −1

2. The integer which comes just after − 3 is _____ [El Menia - Mallawi 24]

A. −4 B. −2

C. 2 D. 3

3. The integer that lies between − 1 and 1 is _____ [Giza - 6th October 24]

A. −1 B. 1

C. 0 D. 3

4. The number of integers between − 3 and 3 is _____ [Giza - October Gardens 24]

A. 2 B. 3

C. 4 D. 5

5. All the negative integers _____ Zero [El Menia - Mallawi 24 , Alex. - El Montaza 24]

A. > B. <

C. =

6. The additive inverse of − 8 is _____ [El Beheira - Kafr Al Dawar 24]

A. 8 B. 9

C. $\frac{1}{8}$ D. −9

7. The opposite of 6 > _____ [Cairo - Al Salam 24]

A. 2 B. 0

C. −6 D. −7

8. The smallest number from the following is _____

A. −7 B. 2

C. −1 D. −17

9. The greatest number from the following is _____

A. −2 B. −1

C. −10 D. −11

10. Which of the following is the nearest to zero ?

A. 4 B. −2

C. −3 D. 3

11. The distance between the opposite of 3 and 0 on the number line equals _____ units. [Cairo - El Mokattam 24]

A. 3 B. −3

C. 0 D. 6

12. The distance between the number 2 and its opposite on the number line equals _____ units.

A. 2 B. −2

C. 0 D. 4

LIVEWORKSHEETS

Choose the correct answer.

1. All the following numbers are rational except _____ [Cairo - El Mokattam 24]

A. 1 B. $\frac{2}{7}$ C. $\frac{4-4}{7}$ D. $\frac{8}{5-5}$

2. The number -2.3 in the form of $\frac{a}{b}$ is _____ [Cairo - Al Salam 24]

A. $\frac{-23}{100}$ B. $\frac{-23}{10}$ C. $-2\frac{3}{100}$ D. $\frac{-23}{1,000}$

3. The additive inverse of $-2\frac{1}{5}$ is _____ [El Monofia - El Bagor 24]

A. 0 B. 2 C. $2\frac{1}{5}$ D. $\frac{1}{5}$

4. Which of the following represents two opposite numbers ? [Alexandria - Borg El Arab 24]

A. $\frac{2}{5}$ and $\frac{1}{5}$ B. $\frac{1}{5}$ and $\frac{-1}{5}$ C. 5 and $\frac{1}{5}$ D. $\frac{-1}{5}$ and $\frac{-2}{5}$

5. The smallest non-negative rational number is _____ [Kafr El Sheikh 24]

A. 1 B. 0 C. -1 D. 2

6. -4 _____ the set of counting numbers.

A. belongs to B. does not belong to C. is a subset of D. is not a subset of

7. The set of natural number _____ the set of integers. [Monofia - Bagor 24]

A. belongs to B. doesn't belong to C. is a subset of D. is not a subset of

8. All integers are also _____ numbers.

A. counting B. natural C. rational D. positive

9. The best subset of the number 0 is a/an _____ [Cairo 24]

A. rational number. B. integer. C. natural number. D. counting number.

10. The best subset of the number -2 is _____ [Giza - Awseem 24]

A. a counting number. B. an integer.

C. a natural number. D. a rational number.

LIVEWORKSHEETS

Choose the correct answer.

1. $\frac{-1}{2}$ ◯ Zero [El Fayoum 24]

A. > B. <

C. = D. ≥

2. 0.7 ◯ 0.65

A. > B. <

C. =

3. $\frac{3}{5}$ ◯ $\frac{2}{7}$

A. > B. <

C. =

4. $-\frac{1}{4}$ ◯ $-\frac{2}{9}$

A. > B. <

C. =

5. $\frac{2}{8}$ ◯ 0.5

A. > B. <

C. =

6. 3.8 > _____ [Ismaillia 24 , El Menia - Maghagha 24]

A. 4.1 B. 5

C. – 6.8 D. 8.9

7. 8.6 < _____ [Alexandria - Borg El Arab 24]

A. 6.8 B. 6.08

C. 8.06 D. 18.6

8. – 3.25 < _____

A. – 6.3 B. 0

C. $-7\frac{1}{2}$ D. $-3\frac{1}{2}$

9. The smallest number from the following is _____

A. 0.11 B. 0.3

C. $\frac{1}{2}$ D. 0.101

10. The greatest number from the following is _____

A. $\frac{1}{2}$ B. $\frac{1}{3}$

C. $\frac{1}{4}$ D. $\frac{1}{12}$

11. The number that lies between 2.5 and 2.6 is _____ [Kafr El-Sheikh 24]

A. 2.45 B. 2.75

C. 2.54 D. 2.65

12. The rational number between – 2.5 and – 2.4 is _____ [El Monofia - Tala 24]

A. – 2.53 B. – 2.43

C. – 2.3 D. – 2.32

13. The rational number lies between – 1.5 and – 1.6 is _____ [Alexandria - Middle 24]

A. – 1.41 B. 1.57

C. – 1.7 D. – 1.57

14. _____ is lying between 2.14 and 2.2 [Giza 24]

A. 2.15 B. 2.21

C. 2.20 D. 2.22

15. The number of rational numbers lying between $\frac{2}{5}$ and $-\frac{2}{5}$ is _____

A. 0 B. 1 C. 2 D. an infinite number

LIVEWORKSHEETS

Choose the correct answer.

1. $|-4|$ ——— $|-3|$ [Aswan 24]

A. $>$ B. $<$ C. $=$

2. $|-8| >$ ——— [El Menia - Deir Mawas 24]

A. 11 B. 19 C. -8 D. 10

3. $|-8| >$ ——— [Cairo 24]

A. $|-7|$ B. $|-8|$

C. $|-9|$ D. $|-10|$

4. $|-3\frac{1}{2}|$ ——— 3.12

[Giza - Awseem 24 , Cairo - El Mokattam 24]

A. $>$ B. $<$ C. $=$

5. $|-1.34| <$ ———

A. 1.4 B. -1.29 C. -1.4 D. 1.19

6. The additive inverse of $|-9|$ is ———

A. -9 B. 9 C. 9 and -9 D. -18

7. $|-8| - |2| =$ ——— [Luxor 24]

A. 82 B. 6 C. 10 D. 16

8. $|-2| + |3| =$ ———

[El Monofia - El Bagor 24]

A. 1 B. 5 C. -1 D. -5

9. $|-10| + |-2|$ ◯ $|20| - |-10|$

A. $>$ B. $<$ C. $=$

10. $|-2\frac{1}{4}| \div |\frac{1}{2}| =$ ———

A. $4\frac{1}{4}$ B. $4\frac{1}{2}$ C. $\frac{9}{8}$ D. 4

11. $|-4| + |2\frac{1}{3}| =$ ———

A. 6 B. $6\frac{1}{3}$ C. $7\frac{1}{3}$ D. 8

12. $|2| \times |-2| =$ ———

A. 0 B. 4 C. -4 D. -1

13. If $|-5| = a$, then $a =$ ———

[El Menia - Mallawi 24]

A. -5 B. 5 C. 3 D. 2

14. The absolute values of two opposites are ———

A. equal. B. different.

C. negative.

15. A negative number whose absolute value is greater than 10 is ———

A. 10 B. 11 C. -9 D. -12

16. The distance between 10 and $|-10|$ on the number line is ——— unit(s).

A. 10 B. -10 C. 0 D. 20

17. The absolute value of the opposite of $-2\frac{1}{5}$ is ———

A. $4\frac{2}{5}$ B. 0 C. $-2\frac{1}{5}$ D. $2\frac{1}{5}$

LIVEWORKSHEETS

Choose the correct answer.

1. A teacher decided to give each pupil 5 marks more, which expression does represent that ?

A. 5 B. $5x$ C. $5 - x$ D. $5 + x$

2. $2 + 3$ [———] $+ 5$, complete to get a numeric expression.

A. a B. k
C. $30 \div 5$ D. $b + c$

3. Which of the following is an algebraic expression ? [El Monofia - Menof 24]

A. $3 \times 3 - 4$ B. $5x + 3$
C. $29 - 3 \times 3 \times 3$ D. $2(4 + 5)$

4. Which of the following is not a numeric expression ? [El Kalyoubia 24]

A. $5x + 3$ B. $5 \times 5 + 4$
C. $3 - 1 \times 1$ D. $3 \times 5 + 1$

5. The mathematical expression : $8 \times 2 - 4$ represents ——— [Alexandria - Borg El Arab 24]

A. a numeric expression.
B. an algebraic expression.
C. an equation.
D. an inequality.

6. The number of terms in the expression $5x + 2y + 4z$ is ——— [Kafr El Sheikh 24]

A. 3 B. 4
C. 5 D. 6

7. The constant in the algebraic expression : $4x + 2 + 3y$ is ——— [Cairo - El Salam 24]

A. 4 B. 2
C. 3 D. noconstant

8. The constant in the expression : $3y + 5$ is ——— [Ismailia 24]

A. 3 B. 5
C. $3y$ D. y

9. The coefficient in the algebraic expression : $2 + 7X + 4$ is ——— [Giza - October Garden 24]

A. 2 B. 7 C. 3 D. 4

10. The coefficient of $2 + 3a - 5$ is ——— [Port Said 24]

A. 2 B. 5 C. a D. 3

11. The coefficients in the algebraic expression : $5 + 3y + 2x + 1$ are ———

A. 5 , 3 , 2 and 1 B. 3 and 2
C. 3 , 2 and 1 D. 5 and 1

12. In the expression : $2a + 5 + a + 1$, which of the following is NOT true? [El Monofia - Tala 24 , Giza - Awseem 24]

A. 2 and 5 are constant
B. 5 and 1 are constant
C. 2 and 1 are coefficient
D. 2 a and a are like terms

13. Which of the following are like terms ? ——— [El Monofia - Menof 24]

A. 3 X and 3 Y B. X Y and Y Z
C. 31 X and 13 X D. X and Y

14. Number of like terms in the expression : $4a + 4b + 5$ is ——— [Ismailia 24]

A. 0 B. 1
C. 2 D. 3

15. The number of like terms in the expression : $4 + 3X + 2$ is ——— [El Menia - Maghagh 24]

A. 0 B. 1
C. 2 D. 3

16. In the expression : $2a + 3 + a + 2$, which of the following is NOT true ?

A. 3 and 2 are the constants
B. 2 a and 2 are like terms
C. The coefficients are 2 and 1
D. Number of terms are 4

LIVEWORKSHEETS

Choose the correct answer.

1. If we subtract 5 from the number x , we get _____ [Cairo 24]

A. $5x$ B. $5 - x$

C. $x - 5$ D. $x + 5$

2. If Suzan saved x L.E. and her father gave her 10 L.E., then she will have _____

A. $x - 10$ B. $x + 10$

C. $10x$ D. $10 - x$

3. 7 Less a number is written as _____ [Qena 24]

A. $x - 7$ B. $7 - x$

C. $14 + x$ D. $\frac{x}{7}$

4. The expression which represents (double a number m) is _____ [El Monofia - Sadat 24]

A. $m + 2$ B. $m - 2$

C. $2m$ D. $m \div 2$

5. Three times a number less two is written as _____

A. $3x + 2$ B. $3x - 2$

C. $2 \times 3x$ D. $\frac{3x}{2}$

6. 4 times a number less than 6 is written as _____ [Cairo 24]

A. $4x + 6$ B. $6 - 4x$

C. $x^2 - 6$ D. $4x - 6$

7. If three times a number is added to 12 , then the algebraic expression that expresses this is _____

A. $q + 12$ B. $q - 12$

C. $3q + 12$ D. $3q - 12$

8. Twice the sum of a number and five is written as _____

A. $2y + 5$ B. $2y - 5$

C. $2(y + 5)$ D. $2(y - 5)$

9. If Bassem is k years old now , how old will he be after 5 years ?

A. $5k$ B. $5 \div k$

C. $k - 5$ D. $k + 5$

10. What operations are in the algebraic expression for "twice a number increased by three" ?

A. + and – B. × and –

C. × and + D. + and –

11. The verbal expression of $5x - 7$ is _____

A. 5 multipled by x increased by 7

B. 5 times a number x less than 7

C. 5 times a number x less 7

D. 7 decreased by 5 x

12. The verbal expression of $3(y + 4)$ is _____

A. Three times y is increased by 4

B. The sum of y and three times 4

C. y less 4 multiplied by 3

D. The product of 3 and the sum of y and 4

LIVEWORKSHEETS

Choose the correct answer.

1. 5^3 = _____ [El Beheira 24]

A. 5×2 B. $5+5+5$

C. 5×5 D. $5 \times 5 \times 5$

2. $9 \times 9 \times 9 \times 9 \times 9$ = _____

A. 5×9 B. 9^5

C. 5^9 D. 81×81

3. $3 \times 3 \times 3$ = _____ [Cairo 24]

A. 3×4 B. 3 cubed.

C. 3 squared. D. 3^4

4. 2^4 = _____ [Giza 24]

A. 4^2 B. 2×4

C. $2+2+2+2$ D. $4 \times 4 \times 4 \times 4$

5. The first operation you preform in the expression : $10 \div 5 + (3-1)^2$ is _____ [El Monofia - El Bagor 24]

A. addition. B. subtraction.

C. exponent. D. division

6. To find the value of $5 \times 6 \div 6 - [4+1]$, we do first _____ [Giza - Abo El Nomrous 24]

A. 2×6 B. $4+1$

C. $6 \div 6$ D. $6-4$

7. The value of the expression : $5n - 2$ for $n = 2$ is _____ [Port Said 24]

A. 3 B. 10

C. 8 D. 5

8. The value of the expression : $x + 3^2$ for $x = 1$ is _____ [Cairo - El Mokattam 24]

A. 7 B. 16

C. 10 D. $3+1^2$

9. The value of the expression : $5x^2 + 5$ for $x = 2$ is _____ [Kafr El Sheikh 24]

A. 30 B. 25

C. 52 D. 15

10. The value of $m^2 + 2$ for $m = 3$ is _____ [Luxor 24]

A. 35 B. 9

C. 11 D. 7

11. The value of the expression : $2C^2 - (3 \times 4 + 2^3)$ = _____ at $C = 5$

A. 50 B. 40

C. 30 D. 35

12. $8 - 3 \times 2 \div (4-2)^2$ = _____

A. 2.5 B. 1

C. 0.5 D. 6.5

13. Which of the following does NOT equal 27 ?

A. 3^3 B. $5^2 + (30 - 4 \times 7)$

C. $2^4 + 3 \times 5 - 4$ D. $2^5 + 5$

14. 5 cubed added to 3 squared equals _____ [Qena 24]

A. $5+3$ B. $5^3 + 3^2$

C. $3^3 + 5^2$ D. $5^3 - 3^2$

15. The ticket of the theme park is for 25 L.E. and each game inside for 30 L.E.

First : The algebraic expression express that is _____

A. $30 + 25n$ B. $30n$ C. $55 + n$ D. $30n + 25$

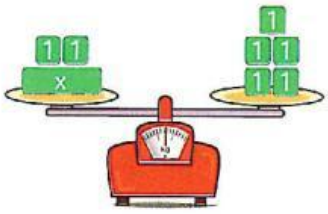
second : The cost of entring and playing 5 games is _____ L.E.

A. 155 B. 165 C. 157 D. 175

LIVEWORKSHEETS

Choose the correct answer.

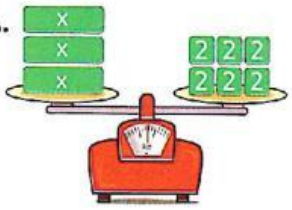
1. The equation that represents the opposite figure is _____

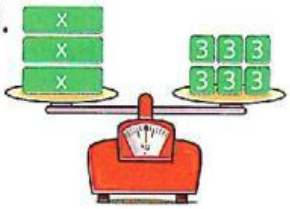


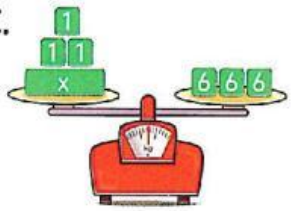
A. $x + 2 = 5$ B. $2x = 5$

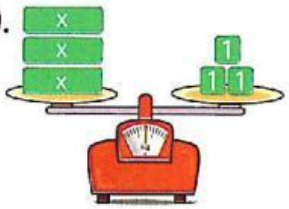
C. $5x = 2$ D. $x + 5 = 2$

2. The balance that represents $3x = 18$ is _____

A. 

B. 

C. 

D. 

3. If $x - 2 = 7$, then $x =$ _____ [El Beheira 24]

A. 5 B. 7 C. 9 D. 11

4. If $x + 120 = 135$, then the value of $x =$ _____ [El Menia – Mallawi 24]

A. 53 B. 30 C. 20 D. 15

5. If $10 = 2Y$, then $Y =$ _____ [Cairo 24]

A. 5 B. 8 C. 20 D. 12

6. If $4x = 12$, then $7x =$ _____

A. 7 B. 14 C. 21 D. 84

7. If $\frac{k}{8} = 7$, then $k =$ _____

A. 15 B. 1 C. 56 D. 8

8. If $25 \div p = 5$, then $p =$ _____

A. 20 B. 5 C. 30 D. 1

9. If $x = 9$, then $\frac{1}{2}x =$ _____

A. 3 B. 4.5 C. 6 D. 18

10. If $x - 3 = 7$, then $\frac{1}{2}x =$ _____ [Kafr El Sheikh 24]

A. 2 B. 4 C. 5 D. 6

11. If $y \div 2 = 8$, then $\frac{1}{4}y =$ _____

A. 2 B. 4 C. 6 D. 8

12. A number if added to 17 the sum is 28, then the number = _____

A. 11 B. 18 C. 45 D. 18

13. A product of the number x and 6 is 42, then $x =$ _____

A. 6 B. 7 C. 36 D. 48

14. Paula bought 3 pens for x L.E. each. If he paid 15 L.E., then $x =$ _____

A. 5 B. 12 C. 18 D. 45

15. If $k + k = 8$, then $k =$ _____ [El Monofia – Tala 24]

A. 4 B. 16 C. 6 D. 0

16. If $x + x + x = 18$, then $x =$ _____

A. 3 B. C. D.

LIVEWORKSHEETS

Choose the correct answer.

1. Which of the following doesn't represent an inequality ? [Port Said 24]

A. $x > -1$ B. $x = -1$ C. $x \leq -1$ D. $x < -1$

2. The number ——— is one of the solutions of $x \leq 2$ [Luxor 24]

A. 5 B. 1 C. 6 D. 12

3. All of the following are solutions of the inequality $m < -3$ except ——— [Giza 24]

A. -5 B. -4 C. -3 D. -6

4. All the following are solutions of the inequality $x \leq -6$ except ——— [Aswan 24]

A. -5 B. -6 C. -7 D. -9

5. Which of the following is NOT a solution of $y > 3.5$? [Giza – Hadayk October 24]

A. 1.5 B. 4 C. 5.5 D. 6

6. The smallest number satisfies the inequality : $x \geq -5$ is —— [Kafr El Sheikh 24]

A. 0 B. -5 C. -6 D. 3

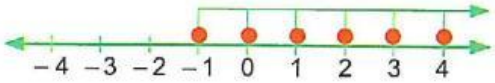
7. Ali has 2 pets, Adam has more pets than Ali , then Adam may has ——— pet[s].

A. 2 B. 1 C. 3 D. 0

8. Number of solutions of the inequality $x > 10$ is ———

A. 0 B. 1 C. 2 D. infinite.

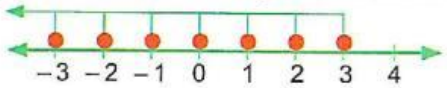
9. The inequality that represents the graph below is ———



A. $k > -1$ B. $k \geq -1$

C. $k < -1$ D. $k \leq -1$

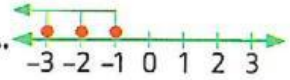
10. The inequality that represents the following graph is ——— [Giza – Abo El Nomrs 24]

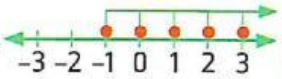


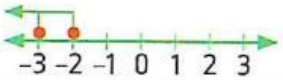
A. $m > 3$ B. $m \geq 3$

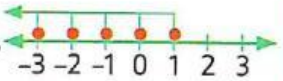
C. $m < 3$ D. $m \leq 3$

11. The inequality $x \geq -1$ is represented in the set of integers as ——— [Alex. – Med 24]

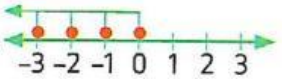
A. 

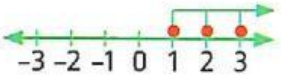
B. 

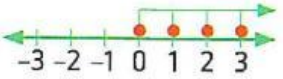
C. 

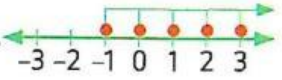
D. 

12. The inequality $x > 0$ is represented in the set of integers as ———

A. 

B. 

C. 

D. 

13. The inequality that represents the counting numbers is ——— [Ismailia 24]

A. $X \geq 1$ B. $X < 1$ C. $x \geq 0$ D. $n \leq 0$

14. The number which satisfies the inequality $|x| > 8$ is ——— [El Menia – Mallawi 24]

A. 7 B. -7 C. -5 D. -9

15. If the number a lies to right of the number b, then a ——— b [El Monofia – Shohadaa 24]

A. < B. = C. > D. either

16. If the price of a book is less than 50 L. E., then the inequality is ——— [Alex. – Montaza 24]

A. $X > 50$ B. $x < 50$ C. $x = 50$ D. $x \geq 50$

17. Which of the following quantity is allowed for a passenger, if the maximum weight allows for a passenger is 32 kg ? [Alex. - Borg El Arab 24]

A. 30 kg B. 38 kg C. 35 kg D. 40 kg

LIVEWORKSHEETS

Choose the correct answer.

1. If $l = 5m + 1$, then the independent variable is ——— [Giza - Abo El Nomros 24]

A. l B. m

C. 5 D. 1

2. The dependent variable in the algebraic equation : $3m + 1 = n$ is ———

[Cairo - El Mokattam 24]

A. 3 B. m

C. 1 D. n

3. The independent in $b = a \div 2$ is ——— [Cairo 24]

A. b B. a

C. 2 D. 1

4. "8 more than s equals t" in equation is ———

A. $8s = t$ B. $8t = 8$

C. $8 + s = t$ D. $8 + t = s$

5. "q is six times p added to 12" in equation is ——— [El kalyoubia 24]

A. $q = 6p - 12$ B. $q = 6p + 12$

C. $p = 6q + 12$ D. $p = 6q - 12$

6. "4 times l added to 7 equals k" in equation is ———

A. $7l + 4 = k$ B. $7k + 4 = l$

C. $4l + 7 = k$ D. $4k + 7 = l$

7. "f equals the sum of adding 11 to the product of 8 and e" in equation is ———

A. $e = 8 + 11f$ B. $e = 11 + 8f$

C. $f = 8 + 11e$ D. $f = 11 + 8e$

8. "y equals the product of x and 3" in the equation is ———

[El Menia - Deir Mawas 24]

A. $y = 3x$ B. $y = 3x + 2$

C. $y = 73x$ D. $3y = x$

9. In the equation $y = 2x + 10$, the constant is ——— [Luxor 24]

A. 10 B. x

C. y D. 2

10. If Shady spend an amount of money [m] to buy some toys [j], then the independent variable is ———

[El Monofia - El Shohada 24]

A. $[m + j]$ B. j

C. m D. $m \times j$

11. The word phrase for the equation "$g = 9h$" is ———

A. h equals g increased by 9. B. g equals 9 times h.

C. h equals 9 times g. D. g equals h increased by 9.

12. By using the opposite table; the equation which represents the total number of tickets for ridding the swing where r is the number of rides and t is the total number of tickets is ———

Ride	Number of Tickets
Swing	11 Tickets
Viking	8 Tickets

A. $r = 8t$ B. $r = 11t$ C. $t = 8r$ D. $t = 11r$

LIVEWORKSHEETS

Choose the correct answer.

1. In the equation : $y = 3x$, if $x = 5.1$, then y would be ———

A. 8.1 B. 53.1

C. 15.3 D. 18.3

2. If $y = 7 + 3x$, and $x = 10$, then the value of y which satisfies the equation is ——— [Cairo 24]

A. 37 B. 1

C. 20 D. 4

3. In the equation : $y = 2x$, y equals 8 where $x =$ ———

A. 2 B. 4

C. 6 D. 8

4. The ordered pair that satisfies the equation : $y = 2x + 1$ is ———

[El Monofia - El Shohada 24]

A. (1 , 1) B. (1 , 2)

C. (1 , 3) D. (1 , 4)

5. In the equation : $y = 3x + 2$, if the order pair (2 , a) satisfies the equation , then a = ——— [Giza - Hadayek October 24]

A. 6 B. 7

C. 8 D. 9

6. The ordered pair (6 , ———) satisfies the equation : $y = 5x - 2$

[Alexandria - Middle 24]

A. 30 B. 32

C. 54 D. 28

7. In the equation : $y = 3x + 6.4$, if $x = 1$, then y would be ———

A. 6.4 B. 18.4

C. 19.2 D. 9.4

8. In the equation : $y = \frac{1}{2}x + 1$, if $x = 12$, then y would be ———

A. 7 B. 6

C. 13 D. 6.5

9. If the equation : $y = x + 4$ is represented by the table

x	0	2	3
y	4	a	7

, then a equals ———

A. 5 B. 6

C. 8 D. 2

10. The equation which represents the table

x	1	2	3
y	3	5	7

is ———

A. $y = x + 2$ B. $y = 2x$

C. $y = 2x + 1$ D. $y = \frac{x}{2} + 2$

11. In the equation : $y = \frac{1}{3}x$, if the input is 12 , then the output is ———

A. 15 B. 9

C. 36 D. 4

12. In the equation : $y = x + \frac{1}{2}$, if the output is $5\frac{1}{2}$, then the input is ———

A. 6 B. 5

C. 22 D. $6\frac{1}{2}$

LIVEWORKSHEETS