

ELmotamyez Questions Bank

Math

October Revision



















October Questions Bank



Question 01

Choose the correct answer

100	0 250		1/2 1/2	A CONTRACTOR OF THE PARTY OF TH
1	The coefficient in l	the expression 6 d + 2 is		
	a 6	b d	© 6d	d 2
2	The smallest num	ber from the following is		
J.	a 0.11	b 0.101	© 0.20	d 0.3
3	The greatest nega	tive integer is		
5.50	a 1	b -1	© 0	d -1000,000
4	$\frac{3}{7} + \frac{2}{5} = \dots$			
3	$\frac{5}{12}$	b $\frac{29}{35}$	\bigcirc $\frac{1}{2}$	a 1
(5)	$3(5+4)=(3 \times$			
1300	a 5,3	b 5,4	© 3,5	d 3,4
(6)	The opposite of th	e number 15 is		30 1
	a 15	b 1151	© -15	d 1-151
7	The additive invers	se of - 4 is		
5	a 4	b 141	© -4	d 1-41
9	Which of the follow	wing are relatively prime nu	umbers?	
h	a 2,6	b 3,21	© 9,12	d 8,15
10	The LCM of 5 and 1	15 is		
	a 5	b 15	© 1	d 3
(11)	The GCF of 5 and 1	5 is		
S.P.	a 5	b 15	© 1	d 3
12	The common factor	or of all number is		
121	a 0	b 1	© 2	d 100
(13)	The GCF of any tw	o different prime numbers	is	



itself

The smallest

number

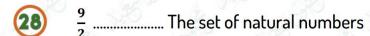
primary 6 - first term



(14)	The	LCM of any two diffe	erent	prime numbers is .		to as I		
	a	1 55	b	The product of them	©	The smallest number	d	The greatest number
15	The	dividend in 321 ÷ 12 =	26 R	9 is				
	(a)	321	b	12	©	26	d	9
16	The	divisor in 321 ÷ 12 = 2	26 R9	is				
190	a	321	b	12	C	26	d	9
17	Whi	ch of the following is	near	est to zero ?				
34	a	5	b	-1	C	-3	d	3
18	The	number -3.5 in the f	orm	is				
	(a)	$\frac{7}{2}$	b	$\frac{3}{5}$	©	$\frac{35}{10}$	d	$-\frac{7}{2}$
19	Whi	ch <mark>of t</mark> he following is	the g	greatest number?				6
	(a)	-5.3	b	-3.5	©	3.5	d	5.3
20	Whi	ch <mark>of</mark> the following is	the s	mallest number?				
	(a)	- <mark>3.2</mark>	b	-2.3	©	-0.5	d	-0.01
21)	The	best subset for the r	numb	er -3 is				
30,00	a	Counting numbers	b	Rational numbers	©	Integers	d	natural numbers
22	The	best subset for the r	numb	er 5 is				
	a	Counting numbers	b	Rational numbers	©	Integers	d	natural numbers
23	The	best su <mark>b</mark> set for the r	numb	er 5.2 is				
9	a	Counting numbers	b	Rational numbers	©	Integers	d	natural numbers
24	The	Set of counting num	bers	The set	of ratio	onal numbers		
5	a	Belong	b	not belong	©	subset	d	Not subset
25	The	Set of integers		The set of natural	numb	ers		
20	a	Belong	b	not belong	©	subset	d	Not subset
26)	-5	The set of	of rati	onal numbers				
	(a)	Belong	b	not belong	©	subset	d	Not subset
(27)	$\frac{8}{2}$.	The set of	coun	ting numbers	47		30	
	a	Belong	(b)	not belong	©	subset	d	Not subset







- a Belong
- **b** not belong
- © subset
- d Not subset

a 6

b -6

- © 12
- **d** -12

a -15

b 15

- © Both a,b
- **d** neither

a -5

(b) 5

- © Both a,b
- **d** neither

The number of terms in the expression
$$6 d + 2 - 5 n \div 4$$
 isterms

a 1

(b) 2

- © 3
- **d** 4

The like terms in the expression
$$2f + 2 - 2k - 8$$
 is

- a 2f, 2k
- **(b)** 2.8
- © 2,2k
- d 2f, 2

a 6

(b) d

- © 5n
- **d** 2

$$\frac{2}{7} + \frac{1}{7} + \frac{2}{7} + \frac{5}{7} = \dots$$

- **b** $\frac{10}{28}$
- \bigcirc $\frac{8}{7}$
- d $1\frac{3}{7}$

$$\frac{3}{6} + \frac{1}{2} = \dots$$

b $\frac{3}{6}$

© 1

 $\frac{4}{8}$

- (a) 3(6d+5)
- **b** 8+6
- \odot 2n 9
- d 4-h

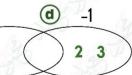
38 Which of the following is algebraic expression?

- a 4(6+5)
- **b** 4-1+2
- © 20 ÷ 9
- **d** 3h

(a) ()

b 1

© -2



The opposite Venn diagram represent prime factorization of two numbers then GCF of them is

a 0

b 1

© 5

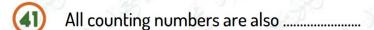
d 2



5







- a natural numbers
- **b** Rational numbers
- Integers
- d All of them



- a I-9.991
- **b** 1-9
- © | 100 |
- d 1-51

43 5 (8 +) x 7 is a numerical expression.

a d

b 4f

- © 5
- d 19 + n

5 (8 +) x 7 is a algebraic expression.

a 5

- **b** 5m
- © 18+2
- **(d)** 13

The verbal expression for 2x + 4 is

a 2 multiplied by x decreased by 4

- **b** 2 multiplied by x more than 4
- © Double a number x increased by 4
- d Double a number b increased by 4

The verbal expression for 5(m – 3) is

- a 5 multiplied by m decreased by 3
- The difference between m and 3 multiplied by 5
- © The sum of m and 3 multiplied by 5
- d The product of m and 3 multiplied by 5

Adding 5 to third a number =

- (a) 5 + 3x
- **b** 3x + 5
- © $\frac{1}{3}x 5$
- (d) $\frac{1}{3}x + 5$

The integer that is one less than 0 is

(a) ()

(b)

- © -2
- **d** -1

The opposite Venn diagram represent prime factorization of two numbers then the two numbers are



- Prime
- **b** Relatively prime **c**
- © Odd
- **d** even

Question 02

Complete

- The smallest positive integer is
- The smallest non-negative integer is
- 3 The greatest non-positive integer is
- The opposite Venn diagram represent prime factorization of two numbers then LCM of them =



- 5 The integers between -5 and -1 are
- 6 The number of integers between -5 and -1 are



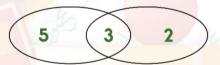








- **8** 4 + 10 = 2 (..... +
- $9 \quad 6\frac{3}{10} 2\frac{1}{5} = \dots$
- The opposite of the number 50 is
- 11) The LCM of 5 and 7 is
- 12 The GCF of 5 and 7 is
- 13 The GCF of 8 and 9 is
- The LCM of 8 and 9 is
- **15** 864 ÷ 24 =
- 16is a multiple of all numbers .
-is a factor of all numbers.
- 18 984 ÷ 5 =
- 19 The quotient in 321 ÷ 12 = 26 R9 is
- The number -2.5 in the form $\frac{a}{b}$ is
- The opposite of zero is
- The smallest positive integer is
- The opposite Venn diagram represent prime factorization of two numbers then GCF of them =



- (24) | -18 | x 0 =
- 25 The smallest counting number is
- The smallest natural number is
- The number of terms in the expression 6h + 2d 3x isterms
- 28 The opposite of the number 1-8.21 is
- The opposite of the number 18.21 is.....
- The two integers that -5.6 is lying between them areandand
- The two integers that $\frac{8}{3}$ is lying between them areandand
- 32 The integer which comes just before -9 is
- 33is one more than -5.







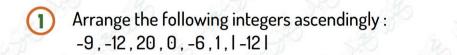
- All integers are also numbers
- 35) Twice the difference between a number and 6 is
- $5 3\frac{2}{5} = \dots$
- 37) The constant in the expression 5f + 2b + 3 is
- 38 The algebraic expression of a number less than 5 is
- 39 The algebraic expression of a number less 5 is
- The coefficient in the expression -5d + 3 is
- The product of 5 and a number t is
- 1-51+3=.....
- The additive inverse of -6 is

Compare using (<,> or =)

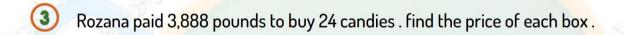
1	-4		2-1
2	-100		0
3	I -12 I		12
4	0	<u> </u>	Any negative integer
5	0	<u> </u>	Any positive integer
6	2.5		$\frac{5}{2}$
7	$-\frac{7}{5}$		$-1\frac{2}{5}$
8	2.42	J	2.6
9	5.245		6
10	-50		-I-50 I
11	-5	12 PM 130	The additive inverse of 9
12	32.02	F	-100
13	-0.8	30 Kg	0.6
14	-(-5)	30 y	5-1-51

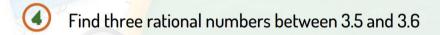


Answer the following

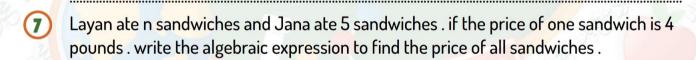


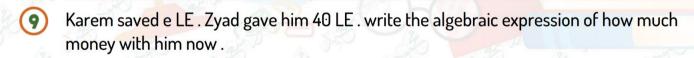




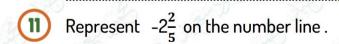


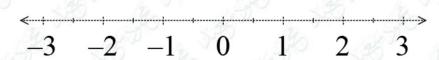
Find three rational numbers between
$$\frac{2}{5}$$
 and $\frac{3}{5}$





Maya bought
$$3\frac{1}{5}$$
 kg of orange and $4\frac{3}{10}$ kg of apple . what is the total mass of them?

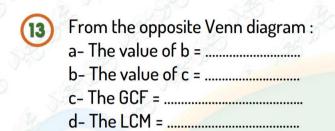


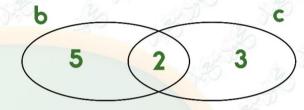






A class has 20 boys and 12 girls. Mr Mahmoud Elkholy want to distribute them into equal groups. What is the greatest number of groups?, How many boys and girls in each group?, then write the expression which represent that.





Represent (-5, -3, 0, -6, 2) at the number line.

(14)	Find the LCM and the GCF of 18 and 24, using venn diagram.

تم بحمد الله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم





Model Answers

Math

October Revision















October Questions Bank



Question 01

Choose the correct answer

1 The coefficient in the expression 6 d + 2 is	150	\$350 M		an and		50
2 The smallest number from the following is	(1)	The coefficient in the ex	pression 6d+2is	54		
(a) 0.11 (b) 0.101 (c) 0.20 (d) 0.3 The greatest negative integer is		a <u>6</u>	b d	© 6d	d	2
3 The greatest negative integer is	2	The smallest number fro	om the following is			
 a 1 b -1 c 0 d -1000,000 d 3/7 + 2/5 =	J.	a 0.11	b <u>0.101</u>	© 0.20	d	0.3
4 3/7 + 2/5 =	(3)	The greatest negative in	teger is			
4 3/7 + 2/5 =	500	a 1	b <u>-1</u>	© 0	d	-1000,000
(a) $\frac{5}{12}$ (b) $\frac{29}{35}$ (c) $\frac{1}{2}$ (d) 1 (3) $(5+4)=(3 \times)+(\times 4)$ (a) $(5,3)$ (b) $(5,4)$ (c) $(3,5)$ (d) $(3,4)$ (d) The opposite of the number 15 is	4					
5 3(5+4) = (3 x) + (x 4) a 5.3	160		b $\frac{29}{27}$	\bigcirc $\frac{1}{2}$	d	1
(a) 5.3 (b) 5,4 (c) 3,5 (d) 3,4 (b) The opposite of the number 15 is (a) 15 (b) 115 (c) -15 (d) 1-15 (b) 14 (c) -4 (d) 1-4 (c) 4 (d) 1-4 (d) 1-4 (e) 4 (d) 1-4 (f) Which of the following are relatively prime numbers? (a) 2,6 (b) 3,21 (c) 9,12 (d) 8,15 (f) The LCM of 5 and 15 is	(5)			2 7		
6 The opposite of the number 15 is				© 3.5	(d)	3.4
(a) 15 (b) 115 (c) -15 (d) 1-15 The additive inverse of - 4 is	6					10 m
7 The additive inverse of - 4 is				© -15	(d)	I-15 I
 a 4 b 4 c -4 d -4 Which of the following are relatively prime numbers? a 2,6 b 3,21 c 9,12 d 8,15 The LCM of 5 and 15 is a 5 b 15 c 1 d 3 	7				36	/////
 Which of the following are relatively prime numbers? a 2,6 b 3,21 c 9,12 d 8,15 The LCM of 5 and 15 is a 5 b 15 c 1 d 3 				© _4	(d)	1-41
(a) 2,6 (b) 3,21 (c) 9,12 (d) 8,15 (d) 15 (e) 1 (d) 3	9		10/5	_		
The LCM of 5 and 15 is					(d)	8 15
(a) 5 (b) 15 (c) 1 (d) 3	10	SEO .		9		<u>0,10</u>
				(C) 1	(d)	3
		12	(9)	150 · 550	130	
(a) 5 (b) 15 (c) 1 (d) 3				(P) 1	a	3
The common factor of all number is	(12)		19	35 M	3000	
(a) 0 (b) 1 (c) 2 (d) 100		The same of the sa		(C) 2	(d)	100
The GCF of any two different prime numbers is	(13)	9 /2 /2		230		100



itself

The smallest

number

primary 6 - first term



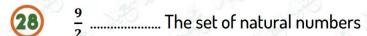
14	The LCM of any two diff	erent	prime numbers is .		5		
	a 1	b	The product of them	©	The smallest number	d	The greatest number
(15)	The dividend in 321 ÷ 12	= 26 R	No.		25 W		,3 ⁶ 0 ,
	a <u>321</u>	b	12	0	26	d	9
16	The divisor in 321 ÷ 12 = 2	26 R9	is				
30	a 321	b	<u>12</u>	©	26	d	9
17	Which of the following i	s near	est to zero ?				
3	a 5	b	<u>-1</u>	C	-3	d	3
18	The number -3.5 in the	form	a. b IS				
	$\frac{7}{2}$	b	<u>3</u> 5	©	$\frac{35}{10}$	d	$-\frac{7}{2}$
19	Which of the following is	s the g	greatest number?				6 3
	a -5.3	b	-3.5	©	3.5	d	<u>5.3</u>
20	Which <mark>of</mark> the following is	s the s	smallest number?				
	a - <u>3.2</u>	b	-2.3	©	-0.5	d	-0.01
(21)	The best subset for the	numb	er -3 is				
1000	a Counting numbers	b	Rational numbers	©	<u>Integers</u>	d	natural numbers
22	The best subset for the number 5 is						
	a <u>Counting</u> numbers	b	Rational numbers	©	Integers	d	natural numbers
23	The best subset for the	numb	er 5.2 is				
9	a Counting numbers	b	Rational numbers	0	Integers	d	natural numbers
24	The Set of counting nun	nbers	The set	of ratio	onal numbers		
5	a Belong	b	not belong	©	subset	d	Not subset
25)	The Set of integers		The set of natural	numb	ers		
34	a Belong	b	not belong	©	subset	d	Not subset
(26)	-5 The set	of rati	onal numbers	6		J.FO	
	a Belong	b	not belong	©	subset	d	Not subset
(27)	$\frac{8}{2}$ The set of			30	1. 3.50	36	4,70
	(a) Belong	(b)	not belong	(C)	subset	(d)	Not subset





primary 6 - first term





- a Belong
- **b** not belong
- © subset
- Mot subset

The distance between -6 and its opposite on the number line is

a 6

b -6

- © 12
- **d** -12

30 I -15 I = m, then m =

a -15

b <u>15</u>

- © Both a,b
- **d** neither

31) | x | = 5, then x =

a -5

(b) 5

- © Both a,b
- **d** neither

The number of terms in the expression $6 d + 2 - 5 n \div 4$ isterms

a 1

(b) 2

- © 3
- **d** 4

The like terms in the expression 2f + 2 - 2k - 8 is

- a 2f, 2k
- **b** 2,8
- © 2,2k
- d 2f, 2

The constant in the expression 6 d + 2 - 5 n is

a 6

(b) d

- © 5n
- **d** 2

 $\frac{2}{7} + \frac{1}{7} + \frac{2}{7} + \frac{5}{7} = \dots$

- **b** $\frac{10}{28}$
- \bigcirc $\frac{8}{7}$
- (d) $1\frac{3}{7}$

 $\frac{3}{6} + \frac{1}{2} = \dots$

b $\frac{3}{6}$

© 1

 $\frac{4}{8}$

Which of the following is numerical expression?

- (a) 3(6d+5)
- **b** 8+6
- \odot 2n 9
- **d** 4-h

38 Which of the following is algebraic expression?

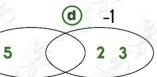
- a 4(6+5)
- **b** 4-1+2
- © 20 ÷ 9
- (d) 3h

The integer which comes just after -1 is

(a) ()

b

© -2



The opposite Venn diagram represent prime factorization of two numbers then GCF of them is

a 0

(b) 1

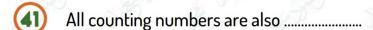
© 5

d 2





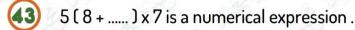




- a natural numbers
- **b** Rational numbers
- Integers
- d All of them



- a I-9.991
- **b** 1-9
- © <u>|-100|</u>
- d 1-51



a d

b 4f

- © <u>5</u>
- **d** 19 + n

5 (8 +) x 7 is a algebraic expression.

a 5

- **b** 5m
- © 18+2
- (d) 13

The verbal expression for 2x + 4 is

a 2 multiplied by x decreased by 4

- **b** 2 multiplied by x more than 4
- © Double a number x increased by 4
- d Double a number b increased by 4

The verbal expression for 5(m - 3) is

a 5 multiplied by m decreased by 3

- by 5
- © The sum of m and 3 multiplied by 5
- d The product of m and 3 multiplied by 5
- Adding 5 to third a number =
 - (a) 5 + 3x
- **b** 3x + 5
- © $\frac{1}{3}x 5$
- d $\frac{1}{3}x + 5$

The integer that is one less than 0 is

(a) ()

(b)

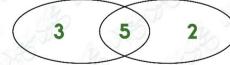
- © -2
- (d) -1
- The opposite Venn diagram represent prime factorization of two numbers then the two numbers are
- 5 2 7 3

- Prime
- **b** Relatively prime
- © Odd
- **d** even

Question 02

Complete

- The smallest positive integer is1..........
- The smallest non-negative integer is0.........
- 3 The greatest non-positive integer is
- The opposite Venn diagram represent prime factorization of two numbers then LCM of them =30......30.....



- **5** The integers between -5 and -1 are-4,-3,-2.....
- **6** The number of integers between -5 and -1 are3......

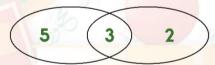








- **8** 4 + 10 = 2 (.....2.... +5....)
- $9 \quad 6\frac{3}{10} 2\frac{1}{5} = \dots 4\frac{1}{10} \dots$
- The opposite of the number 50 is-50.......
- The LCM of 5 and 7 is35.....
- 12 The GCF of 5 and 7 is1............
- (13) The GCF of 8 and 9 is1......
- 14 The LCM of 8 and 9 is72.....
- **15** 864 ÷ 24 =36......
- 160....is a multiple of all numbers.
-1......is a factor of all numbers.
- 984 ÷ 5 =196R4......
- 19 The quotient in 321 ÷ 12 = 26 R9 is26.....
- The number -2.5 in the form $\frac{a}{b}$ is $\frac{25}{10}$
- The opposite of zero is0......
- The smallest positive integer is1......



- 24) I -18 I x 0 =0.....
- The smallest counting number is1........
- The smallest natural number is0......
- The number of terms in the expression 6h + 2d 3x is3......terms
- **28** The opposite of the number 1-8.21 is-8.2.......
- 29 The opposite of the number 18.21 is-8.2........
- The two integers that -5.6 is lying between them are ...-5....and ...-6...
- The two integers that $\frac{8}{3}$ is lying between them are ...2....and ...3...
- The integer which comes just before -9 is-10......
- 334....is one more than -5.







- All integers are alsorational..... numbers
- Twice the difference between a number and 6 is ...2(x-6)..........
- $\mathbf{36} \quad 5 \mathbf{3} \, \frac{2}{5} = ... \mathbf{3} \, \frac{2}{5}$
- 37 The constant in the expression 5f + 2b + 3 is3.......
- 38 The algebraic expression of a number less than 5 is5-x......
- 39 The algebraic expression of a number less 5 isx-5......
- The coefficient in the expression -5d + 3 is-5.......
- 4) The product of 5 and a number t is5t..........
- 42 | 1-5|+3 =8.....
- The additive inverse of -6 is6......

Compare using (<,> or =)

1	-4	E <	2 -1
2	-100	<	0
3	I -12 I	= 6	12
4	0	>	Any <mark>negati</mark> ve intege <mark>r</mark>
5	0	<	Any positive integer
6	2.5	1 000 = 0.80	$\frac{5}{2}$
7	$-\frac{7}{5}$	= -	$-1\frac{2}{5}$
8	2.42		2.6
9	5.245	30 < 50°	6
10	-50		-I-50 I
1	-5	> / 1 39	The additive inverse of 9
12	32.02	6 > D	-100
13	-0.8	M < 5	0.6
14	-(-5)		-1-51



Answer the following

- Arrange the following integers ascendingly:
 -9,-12,20,0,-6,1,1-121
 -12,-9,-6,0,1,1-121,20
- Mohamed has x pounds . he bought a book for 60 pounds . write the algebraic expression of how much money with him now .

X - 60

Rozana paid 3,888 pounds to buy 24 candies . find the price of each box .

3,888 ÷ 24 = 162 pounds

Find three rational numbers between 3.5 and 3.6

3.51, 3.52, 3.53

Find three rational numbers between $\frac{2}{5}$ and $\frac{3}{5}$

 $\frac{21}{50}$, $\frac{22}{50}$, $\frac{23}{50}$

The price of 12 pens is 408 LE, find the price of each pen.

408 ÷ 12 = 34 LE

Layan ate n sandwiches and Jana ate 5 sandwiches . if the price of one sandwich is 4 pounds . write the algebraic expression to find the price of all sandwiches .

4(n+5)

- 8 If Yousef is x years old now . write the algebraic expression of his old after 6 years?
 X + 6
- (9) Karem saved e LE . Zyad gave him 40 LE . write the algebraic expression of how much money with him now .

e+40

- Maya bought $3\frac{1}{5}$ kg of orange and $4\frac{3}{10}$ kg of apple what is the total mass of them? $3\frac{1}{5} + 4\frac{3}{10} = 7\frac{1}{2}$ kg
- Represent $-2\frac{2}{5}$ on the number line.

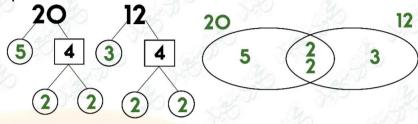






A class has 20 boys and 12 girls. Mr Mahmoud Elkholy want to distribute them into equal groups. What is the greatest number of groups?, How many boys and girls in each group?, then write the expression which represent that.

The greatest number of groups is 4
The number of boys is 5
The number of girls is 3
The expression is 4(5+3)



From the opposite Venn diagram:

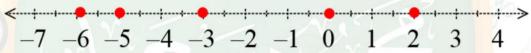
a- The value of b =10......

b- The value of c =6......

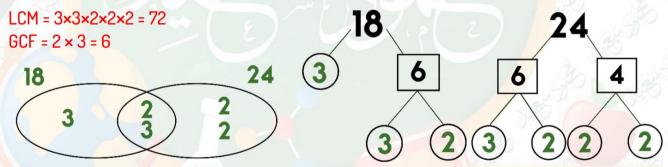
c- The GCF =2......

d- The LCM =30....

Represent (-5, -3, 0, -6, 2) at the number line.



Find the LCM and the GCF of 18 and 24, using venn diagram.



تم بحمد الله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

