

1. $20 - 10 : 2 + 4 = ?$

- A) 4 B) 9 C) 13 D) 16 E) 19

2. $\frac{8b^3a^2}{xy^2} \cdot \frac{yx^2}{4b^2a^3} = ?$

- A) $\frac{bx}{a^2y}$
 B) $\frac{2bx}{ay}$
 C) $\frac{x^2a}{2by}$
 D) $\frac{2ay}{bx^2}$
 E) $\frac{ax^2}{b^2y}$

3. $3x - 4 = 17 \Rightarrow x = ?$

- A) 7 B) 6 C) 5
 D) 4 E) 3

4. $\frac{2}{3} + \frac{4}{3} : \frac{8}{9} + \frac{2}{3} = ?$

- A) $\frac{18}{35}$ B) $\frac{35}{12}$ C) $\frac{12}{35}$ D) $\frac{17}{6}$ E) $\frac{6}{17}$

5. $\frac{2,4}{0,4} + \frac{0,2}{0,02} - \frac{0,03}{0,01} = ?$

- A) 67 B) 60 C) 17 D) 13 E) 4

6. $\frac{a^2 - 4}{a^2 + ab + 2a + 2b} = ?$

- A) $\frac{a+2}{a+b}$
 B) $\frac{a+b}{a+2}$
 C) $\frac{a-2}{a+b}$
 D) $\frac{a+b}{a-2}$

E) 1

7. $\frac{9^{18}}{3} = ?$

- A) 3^{35} B) 3^{18} C) 3^{17}
 D) 9^6 E) 3^6

8. $\frac{10^x - 1}{9} = 1111 \Rightarrow x = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

9. $3,35 + 1,2 = ?$

- A) 3,37 B) 3,57 C) 4,57 D) 4,55 E) 4,37

10.
$$\begin{cases} \frac{2}{a} + \frac{3}{b} = 7 \\ \frac{3}{a} - \frac{1}{b} = 5 \end{cases} \Rightarrow a = ?$$

- A) 2 B) 1 C) $\frac{1}{2}$
 D) $-\frac{1}{2}$ E) -1

11. $\frac{a}{2} = \frac{b}{3} = \frac{c}{5}$, and $3a + 2b - c = 14 \Rightarrow c = ?$

- A) 4 B) 6 C) 8
 D) 10 E) 12

12.
$$\begin{cases} 3x + 2y = 12 \\ x + 3y = 11 \end{cases} \Rightarrow y = ?$$

- A) 7 B) 6 C) 5 D) 4 E) 3

13. $2008x + 1 = 2009^2 \Rightarrow x = ?$

- A) 2010 B) 2009 C) 2008
D) 2007 E) 2006

14. $\sqrt{25} + \sqrt{36} - \sqrt{49} = ?$

- A) 4
B) 5
C) 6
D) 7
E) 8

15. $\sqrt{9 \cdot 25 + 64} = ?$

- A) 23 B) 21 C) 19 D) 17 E) 15

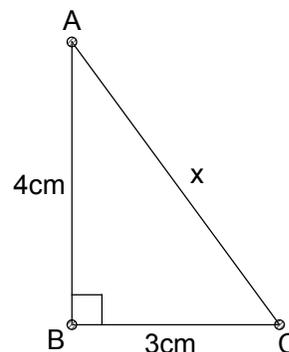
16. $a + \frac{2}{a} = 5 \Rightarrow a^2 + \frac{4}{a^2} = ?$

- A) 25 B) 23 C) 21 D) 19 E) 17

17. $A = 1 + 3 + 5 + \dots + 99,$
 $B = 2 + 4 + 6 + \dots + 100. \Rightarrow B - A = ?$

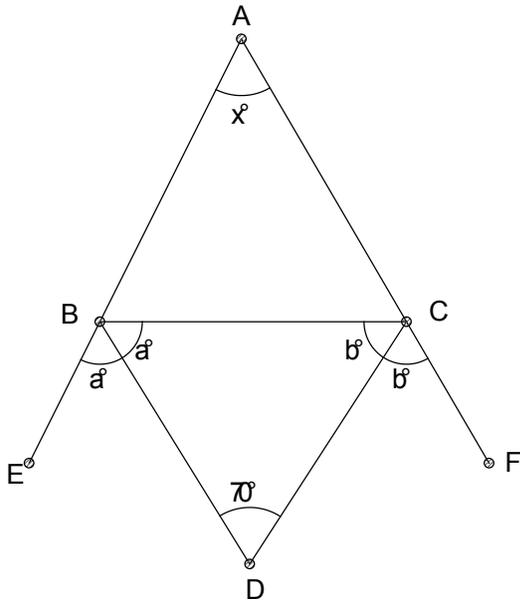
- A) - 50 B) - 100 C) 0 D) 50 E) 100

18. $\angle ABC = 90^\circ$, $AB = 4\text{cm}$, $BC = 3\text{cm}$, $x = ?$



- A) 6cm B) 5cm C) 4cm D) 3cm E) 2cm

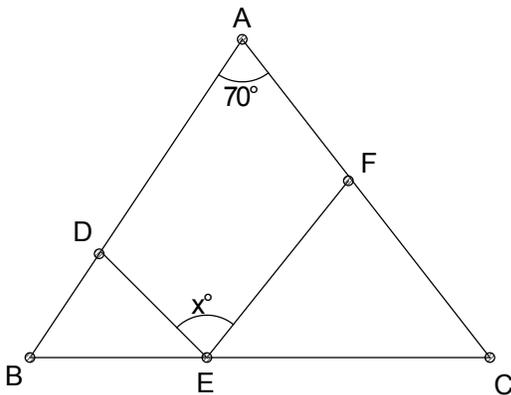
19. $\angle EBD = \angle DBC, \angle FCD = \angle BCD$



- A) 40° B) 50° C) 60° D) 70° E) 110°

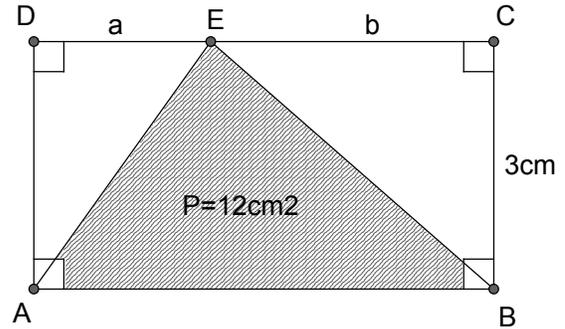
20.

$\angle BAC = 70^\circ, BD = BE, CE = CF$
 $\Rightarrow \angle DEF = ?$



- A) 125° B) 110° C) 70° D) 60° E) 55°

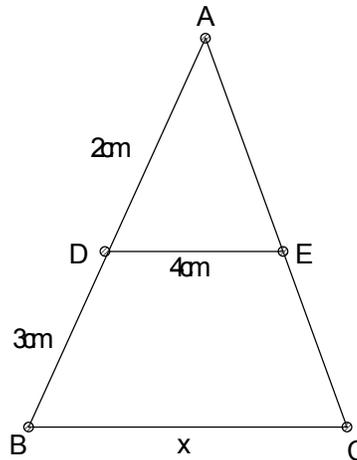
21. $P_{\triangle ABE} = 12\text{cm}^2, BC = 3\text{cm} \Rightarrow a + b = ?$



- A) 2cm B) 3 cm C) 4 cm
 D) 6cm E) 8 cm

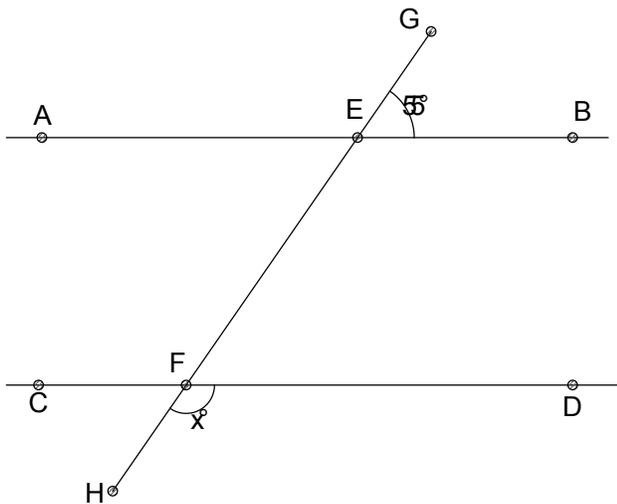
22.

$BC \parallel DE, AD = 2\text{cm}, DE = 4\text{cm},$
 $DB = 3\text{cm}. x = ?$



- A) 2cm B) 3cm C) 4cm
 D) 8cm E) 10cm

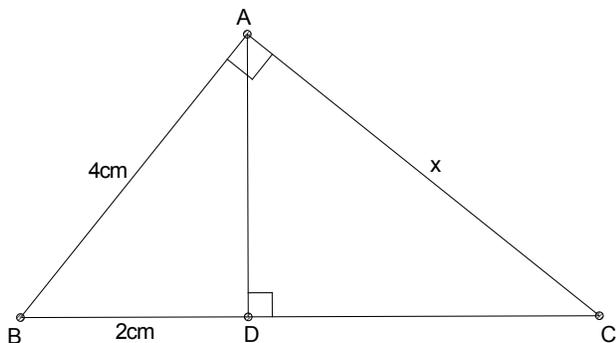
23. $AB \parallel CD$, $\angle BEG = 55^\circ$, $x = ?$



- A) 45° B) 55° C) 85° D) 100° E) 125°

24.

$\angle BAC = \angle ADC = 90^\circ$,
 $AB = 4\text{cm}$, $BD = 2\text{cm} \Rightarrow AC = ?$



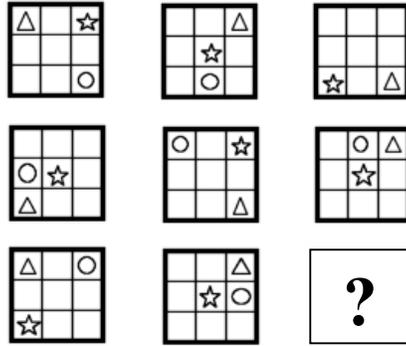
- A) $4\sqrt{3}\text{cm}$ B) $3\sqrt{3}\text{cm}$ C) $2\sqrt{3}\text{cm}$
 D) 6cm E) 8cm

25.

$$a^2 + 1 = 3a \Rightarrow a^2 + \frac{3}{a} = ?$$

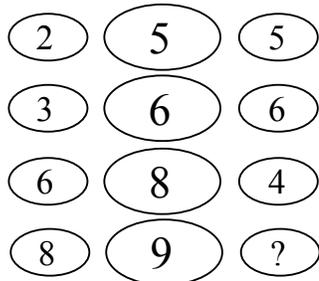
- A) 3 B) 5 C) 7 D) 8 E) 9

26.



- A)
- B)
- C)
- D)
- E)

27.

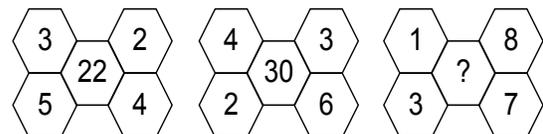


- A) 10 B) 6 C) 3 D) 1 E) 0

28.

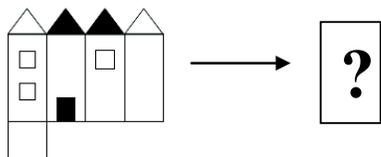
- 1 4 8 6 9 18 16 19 ?
- A) 36 B) 38 C) 39 D) 17 E) 22

29.



- A) 28 B) 35 C) 38 D) 31 E) 50

30.



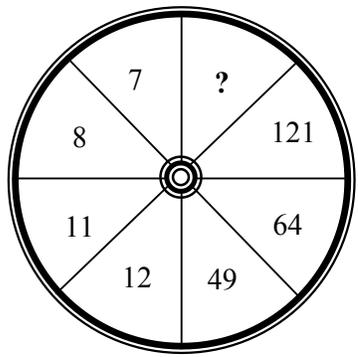
- A)
- B)
- C)
- D)
- E)

32.

$2 \Delta 1 \Rightarrow 5$
 $3 \Delta 2 \Rightarrow 11$
 $6 \Delta 2 \Rightarrow 38$
 $3 \Delta 5 \Rightarrow ?$

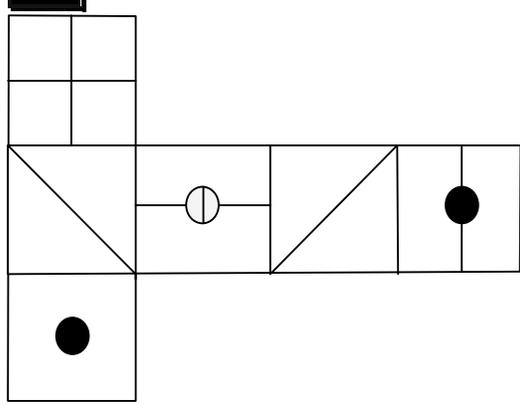
- A) 64
- B) 49
- C) 16
- D) 14
- E) 4

31.



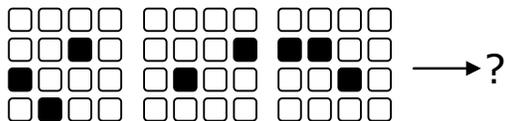
- A) 122
- B) 144
- C) 152
- D) 164
- E) 3

33.



- A)
- B)
- C)
- D)
- E)

34.



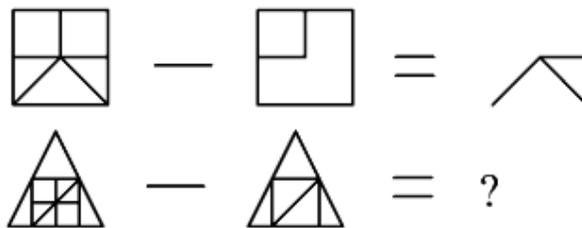
- A) B) C)
- D) E)

35.



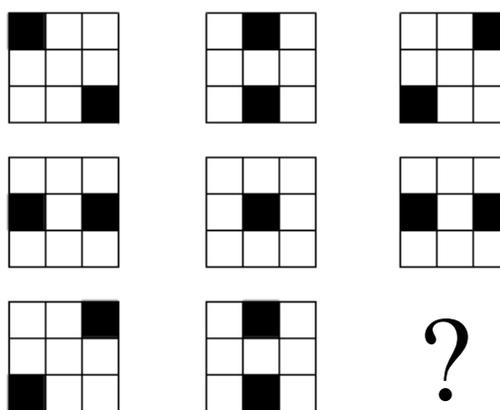
- A) B) C)
- D) E)

36.



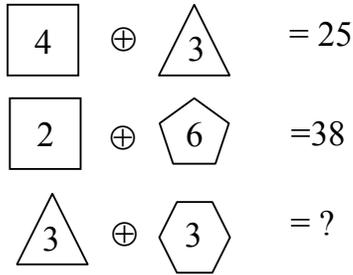
- A) B) C)
- D) E)

37.



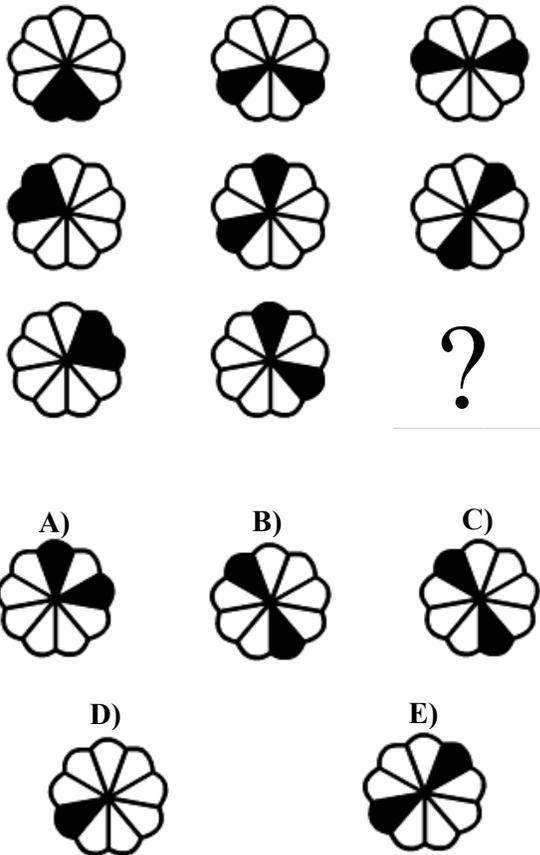
- A) B) C)
- D) E)

38.

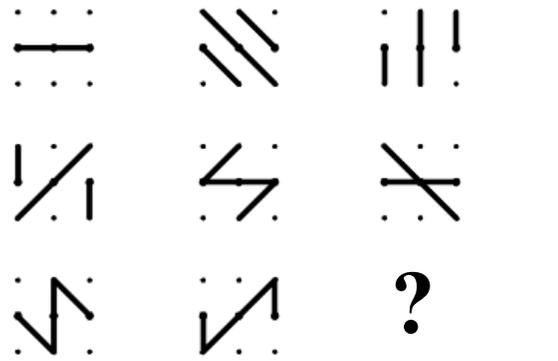


- A) 6 B) 18 C) 24 D) 27 E) 30

39.

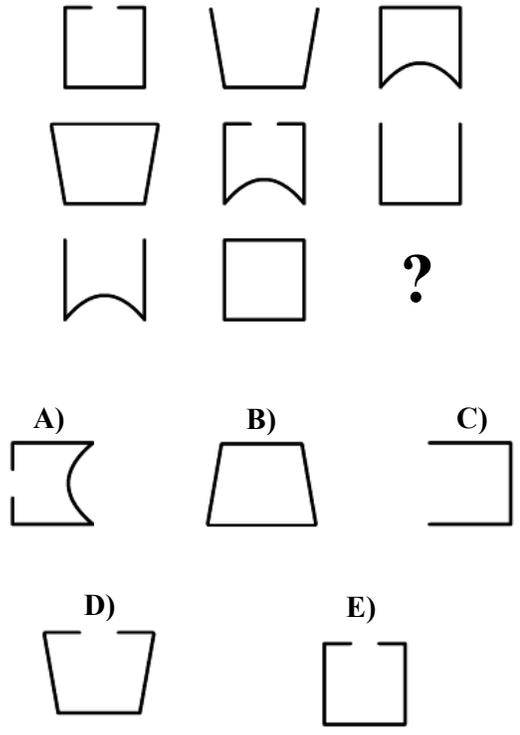


40.



- A) B) C)
 D) E)

41.



42.



a,b = ?

- A) 39,45 B) 38,45 C) 39,44
 D) 38,44 E) 37,43

43.

1	11	21	13	23	24	115	?
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- A) 40 B) 35 C) 52 D) 119 E) 28

44.

$$2 \oplus 5 = 19$$

$$4 \oplus 4 = 20$$

$$1 \oplus 3 = 11$$

$$5 \oplus 8 = ?$$

- A) 25 B) 34 C) 31 D) 13 E) 26

45.

$$\Delta 328 \rightarrow 832$$

$$426 \blacklozenge \rightarrow 66$$

$$\Delta 216 \blacklozenge \rightarrow 81$$

$$\Delta 325 \blacklozenge \rightarrow ?$$

- A) 28 B) 55 C) 72 D) 82 E) 84

- 46.** Cili element është metal?
A) Hidrogjeni B) Oksigjeni C) Heliumi
D) Hekuri E) Neoni
- 47.** Cili është sport dimëror?
A) Fudbolli B) Noti C) Skijimi
D) Ping-Pong E) Volejboli
- 48.** Cila është monedha e Bashkimit Evropian?
A) Denari B) Dollari C) Lira
D) Euro E) Lek
- 49.** Cila është drama me motive të dashurisë e Shekspirit që përfundon tragjikisht?
A) Soneti B) Bura C) Magbeti
D) Romeo dhe Zhulieta E) Tartufi
- 50.** Cili nga shtetet e mëposhtme nuk kufizohet me Maqedoninë?
A) Rusia B) Shqipëria C) Greqia
D) Bullgaria E) Serbia

- 46.** Koja од долунаведените елементи е метал?
A) Водород B) Кислород C) Хелиум
D) Железо E) Неон
- 47.** Koja од долунаведените спортски дисциплини е зимски?
A) Фудбал B) Пливање C) Скијање
D) Пинг – Понг E) Одбојка
- 48.** Koja е монетарната валута на Европската Унија?
A) Денар B) Долар C) Лира
D) Евро E) Лек
- 49.** Најпозната лубовна драма на Шекспир која завршува трагично?
A) Сонети B) Бура C) Магбет
D) Ромео и Жулиета E) Тартуф
- 50.** Koja од овие држави не се граничи со Македонија?
A) Русија B) Албанија C) Грција
D) Бугарија E) Србија

- 46.** Aşağıdakilerden hangisi metaldir?
A) Hidrojen B) Oksijen C) Helyum
D) Demir E) Neon

- 47.** Aşağıdakilerden hangisi kış sporudur?
A) Futbol B) Yüzmek C) Kayak
D) Masa tenisi E) Voleybol

- 48.** Avrupa Birliği'nin para birimi hangisidir?
A) Denar B) Dolar C) Lira
D) Euro E) Lek

- 49.** Şekspir'in trajik sonuçlanan en ünlü aşk eseri hangisidir?
A) Soneti B) Bura C) Magbet
D) Romeo ve Juliet E) Tartuf

- 50.** Hangisi Makedonya'nın komşu ülkesi değildir?
A) Rusya B) Arnavutluk C) Yunanistan
D) Bulgaristan E) Sırbistan

- 46.** Which of the followings is metal?
A) Hydrogen B) Oxygen C) Helium
D) Iron E) Neon

- 47.** Which of the followings is a winter sport activity?
A) Football B) Swimming C) Skiing
D) Table tennis E) Volleyball

- 48.** Which of the followings is the European Union currency unit?
A) Denar B) Dollar C) Lira
D) Euro E) Lek

- 49.** Which of the followings is the most famous love story tragedy of Shakespeare?
A) Sonnet B) Wring C) Macbeth
D) Romeo and Juliet E) Tartuffe

- 50.** Which of the followings is not one of the neighbour countries of Macedonia?
A) Russia B) Albania C) Greece
D) Bulgaria E) Serbia

- 51.** Cili është alken?
- A) Propeni B) Metani C) Etani
D) Propini E) Butani

- 52.** Në cilën datë kremtohet dita e gruas?
- A) 8 Marsi B) 1 Maji C) 21 Marsi
D) 1 Janari E) 7 Marsi

- 53.** Cila nuk është vegël optike?
- A) Mikroskopi B) Dinamometri
C) Fotoaparati D) Teleskopi E) Syzat

- 54.** Cili nga personat me famë të mëposhtëm ka lindur në Shkup?
- A) Orhan Pamuku B) Jahja Kemal Bejatlë
C) Gerhard Ertl D) Nelson Mandela
E) Alfred Nobel

- 55.** Në cilën periudhë njeriu mund të nervozohet më tepër?
- A) Para sëmundjes
B) Gjatë sëmundjes
C) Pas sëmundjes
D) Në çdo periudhë të jetës
E) Asnjëra s'është e saktë

- 51.** Кое од долунаведените е алкен?
- A) Пропен B) Метан C) Етан
D) Пропин E) Бутан

- 52.** На кој дадум се одбележува денот на жената?
- A) 8 Март B) 1 Мај C) 21 Март
D) 1 Јануари E) 7 Март

- 53.** Кое од долунаведените не е оптички апарат?
- A) Микроскоп B) Динамометар
C) Фотоапарат D) Телескоп E) Очила

- 54.** Кој од долунаведените познати личности е роден во Скопје?
- A) Орхан Памук B) Јахја Кемал Бејатли
C) Герхард Ертл D) Нелсон Мандела
E) Алфред Нобел

- 55.** Кој е најдобар период за вакцинација?
- A) Пред болеста
B) За време на болеста
C) После болеста
D) Во било кој период од животот
E) Ни едно од горе наведените

51. Aşağıdakilerden hangisi bir alkendir?

- A)Propen B)Metan C)Etan
D)Propin E)Butan

52. Kadınlar günü hangi tarihte kutlanır?

- A)8 Mart B)1 Mayıs C)21 Mart
D)1 Ocak E)7 Mart

53. Hangisi optik alet değildir?

- A) Mikroskop
B) Dinamometre
C) Fotoğraf makinesi
D) Teleskop
E) Gözlükler

54. Aşağıdakilerden hangisi Üsküp doğumludur?

- A)Orhan Pamuk B)Yahya Kemal Beyatlı
C)Gerhard Ertl D)Nelson Mandela
E)Alfred Nobel

55. Bir kişinin aşı olması için en iyi periyod hangisidir?

- A)Hastalıktan önce
B)Hastalık sırasında
C)Hastalıktan sonra
D)Hayatta her periyod olabilir.
E)Yukarıdakilerden hiçbiri

51. Which of the followings is an alken?

- A)Propene B)Metane C)Etane
D)Propyne E)Butane

52. When is the Women's Day celebrated?

- A)8 March B)1 May C)21 March
D)1 January E)7 March

53. Which of the followings is not an optic instrument?

- A) Microscope
B) Dynamometer
C) Camera
D) Telescope
E) Glasses

54. Which of the followings is born in Skopje?

- A)Orhan Pamuk B)Yahya Kemal Beyatlı
C)Gerhard Ertl D)Nelson Mandela
E)Alfred Nobel

55. What is the best period for vaccination?

- A) Before a disease
B) During a disease
C) After a disease
D) Any period in life
E) None of above

56. Prej sa deputetëve përbëhet Parlamenti i Republikës së Maqedonisë?

- A)85 B)95 C)100
D)110 E)120

57. Në bazë të Sistemit Internacional të njësive, në cilën nga rastet e mëposhtme është bërë grupimi i gabuar?

- A) Gjatësia – metri
B) Masa – kilogrami
C) Koha – minuta
D) Temperatura – Kelvini
E) Sasia e substancës – mol

58. Në cilin vit ka filluar Lufta e Parë Botërore?

- A)1913 B)1914 C)1915
D)1924 E)1941

59. Siç është e parashikuar edhe me ligj , personat e dehur nuk mund të ngasin makinën. Alkooli ka ndikime negative në trupin e njeriut dhe bëhet shkak i aksidenteve rrugore. **Cili nga sistemet e organizmit të njeriut duke u ndikuar më tepër nga alkooli bëhet shkak për aksidente?**

- A) Sistemi i tretjes
B) Sistemi i qarkullimit të gjakut
C) Sistemi nervor
D) Sistemi urinar
E) Skeleti

60. Sa gradë celsius janë të barabartë me 300 K?

- A)10 °C B)20 °C C)27 °C
D)30 °C E) 37 °C

56. Од колку пратеници се состои Собранието на Република Македонија?

- A)85 B)95 C)100
D)110 E)120

57. Според Интернационалниот Систем на Единици, која од долунаведените групирања е погрешно?

- A) Должина – метар
B) Masa – килограм
C) Време – минута
D) Температура – Келвин
E) Количество на супстанца –mol

58. Која година започна првата светска војна?

- A)1913 B)1914 C)1915
D)1924 E)1941

59. Факт е дека законски е забрането да се вози кога возачот има конзумирано алкохол. Алкохолот негативно влијае на човечкото тело и може да предизвика смртни сообраќајни несреќи. **На кој од телесните системи алкохолот најмногу влијае и како резултат се случуваат сообраќајни несреќи?**

- A) Систем за варање
B) Систем за крвоток
C) Нервен систем
D) Репродуктивен систем
E) Скелетен систем

60. Колку степени целсиусови се еднакви на 300 K?

- A)10 °C B)20 °C C)27 °C
D)30 °C E) 37 °C

56. Makedonya Cumhuriyeti Meclisi kaç milletvekilinden oluşur?

- A)85 B)95 C)100
D)110 E)120

57. Uluslararası Birim Sistemi'ne göre aşağıdaki gruplamalardan hangisi yanlıştır?

- A) uzunluk – metre
B) kütle – kilogram
C) zaman – dakika
D) sıcaklık – kelvin
E) madde miktarı – mol

58. Birinci Dünya savaşı hangi yılda başlamıştır?

- A)1913 B)1914 C)1915
D)1924 E)1941

59. Kanun ile de sabit olduğu gibi, kişilerin alkollü bir şekilde araba kullanmaları yasaktır. Alkol insan vücudunu negatif etkiler ve trafik kazalarına sebebiyet verebilir. **Alkolden en fazla şekilde etkilenerek trafik kazalarına sebebiyet veren vücut sistemi hangisidir?**

- A) Sindirim sistemi
B) Dolaşım sistemi
C) Sinir sistemi
D) Üreme sistemi
E) İskelet sistemi

60. Aşağıdakilerden hangisi 300 K eşittir?

- A)10 °C B)20 °C C)27 °C
D)30 °C E) 37 °C

56. How many representatives are there in the Parliament of Republic of Macedonia?

- A)85 B)95 C)100
D)110 E)120

57. According to IS of units ,which of the following groups is wrong?

- A) distance – meter
B) mass – kilogram
C) time – minute
D) temperature – kelvin
E) mass – mol

58. When did the World War I start?

- A)1913 B)1914 C)1915
D)1924 E)1941

59. It is a fact that with law it is forbidden to drive when a person is drunk. Alcohol effects human body negatively and may cause deaths during traffic accidents. **Which body system is effected the most in order to cause these accidents?**

- A) Digestive system
B) Circulatory system
C) Nervous system
D) Reproductive system
E) Skeletal system

60. Which of the followings is equal to 300 K?

- A)10 °C B)20 °C C)27 °C
D)30 °C E) 37 °C

Lesson	no	answer
MAT	1	E
MAT	2	B
MAT	3	A
MAT	4	D
MAT	5	D
MAT	6	C
MAT	7	A
MAT	8	D
MAT	9	D
MAT	10	C
MAT	11	D
MAT	12	E
MAT	13	A
MAT	14	A
MAT	15	D
MAT	16	C
MAT	17	D
MAT	18	B
MAT	19	A
MAT	20	E
MAT	21	E
MAT	22	E
MAT	23	E
MAT	24	A
MAT	25	D
IQ	26	C
IQ	27	D
IQ	28	B
IQ	29	D
IQ	30	D
IQ	31	B
IQ	32	D
IQ	33	E
IQ	34	B
IQ	35	A
IQ	36	E
IQ	37	B
IQ	38	D
IQ	39	C
IQ	40	E
IQ	41	D
IQ	42	C
IQ	43	B
IQ	44	B
IQ	45	D
GENKNOWLEDGE	46	D
GENKNOWLEDGE	47	C
GENKNOWLEDGE	48	D
GENKNOWLEDGE	49	D

GENKNOWLEDGE	50	A
GENKNOWLEDGE	51	A
GENKNOWLEDGE	52	A
GENKNOWLEDGE	53	B
GENKNOWLEDGE	54	B
GENKNOWLEDGE	55	A
GENKNOWLEDGE	56	E
GENKNOWLEDGE	57	C
GENKNOWLEDGE	58	B
GENKNOWLEDGE	59	C
GENKNOWLEDGE	60	C