

ቀሰም አካዳሚ

JOIN US @QESEMACADEMY

Logicalreasoning

Numberseries

1.Lookatthisseries:8,6,9,23,87,...Whatnumbershouldcomenext?

A.128 B.226 C.324 D.429 Answer:OptionD

Explanation:

8x1-2=6

6x2-3=9

9x3-4=23

23x4-5=87

87x5-6=429...

2.Lookatthisseries:2,6,18,54,...Whatnumbershouldcomenext?

A.108 B.148 C.162 D.216 Answer:OptionC

Thisisasimplemultiplicationseries.Eachnumberis3timesmorethantheprevious number.

3.Lookatthisseries:3,4,7,8,11,12,...Whatnumbershouldcomenext?

A.7 B.10 C.14 D.15 Answer:OptionD

Thisalternatingadditionseriesbeginswith3;then1isaddedtogive4;then3isadded togive7;then1isadded,andsoon.

4.Lookatthisseries:201,202,204,207,...Whatnumbershouldcomenext?

A.205 B.208 C.210 D.211 Answer:OptionD

Inthisadditionseries,1isaddedtothefirstnumber;2isaddedtothesecondnumber; 3isaddedtothethirdnumber;4isaddedtothefourthnumber;andgoon.

5.Lookatthisseries:14,28,20,40,32,64,...Whatnumbershouldcomenext?

A.52 B.56 C.96 D.128 Answer:OptionB

Thisisanalternatingmultiplicationandsubtractingseries:First,multiplyby2andthen subtract8.

6.282552118514

A.115 B.107 C.118 D.510 E.105 Answer:OptionA

Thisisanalternatingsubtractionserieswiththeinterpolationofarandomnumber,5,as everythirdnumber.Inthesubtractionseries,3issubtracted,then4,then3,andsoon.

7.2345648

A.910 B.48 C.104 D.94 E.89 Answer:OptionD

Thisisanalternatingadditionserieswitharandomnumber,4,interpolatedasevery thirdnumber.Inthemainseries,1isadded,then2isadded,then1,then2,andsoon.

8.17173420203123

A.2623 B.3420 C.2333 D.2728 E.2328 Answer:OptionE

Thisisanalternatingsubtractionserieswithrepetition.Therearetwodifferentpatterns here.Inthefirst,anumberrepeatsitself;then3isaddedtothatnumbertoarriveatthe nextnumber,whichalsorepeats.Thisgivestheseries17,17,20,20,23,andsoon. Everythirdnumberfollowsasecondpattern,inwhich3issubtractedfromeachnumber toarriveatthenext:34,31,28.

9.61575061433661

A.2961 B.2720 C.3161 D.2215 E.2922 Answer:OptionE

Thisisanalternatingrepetitionseries,inwhicharandomnumber,61,isinterpolatedas everythirdnumberintoanotherwisesimplesubtractionseries.Startingwiththesecond number,57,eachnumber(except61)is7lessthanthepreviousnumber.

10.42403835333128

A.2522 B.2623 C.2624 D.2523 E.2622 Answer:OptionC

Thisisanalternatingsubtractionseriesinwhich2issubtractedtwice,then3is subtractedonce,then2issubtractedtwice,andsoon.

11.16265636466856

A.8066 B.6482 C.6680 D.7868 E.6682 Answer:OptionC

Here,everythirdnumberfollowsadifferentpatternfromthemainseries.Inthemain series,beginningwith16,10isaddedtoeachnumbertoarriveatthenext.Inthe alternatingseries,beginningwith56,12isaddedtoeachnumbertoarriveatthenext.

12.Lookatthisseries:F2,__,D8,C16,B32,...Whatnumbershouldfilltheblank?

A.A16 B.G4 C.E4 D.E3 Answer:OptionC

Thelettersdecreaseby1;thenumbersaremultipliedby2.

13.Lookatthisseries:V,VIII,XI,XIV,__,XX,...Whatnumbershouldfilltheblank?

A.IX B.XXIII C.XV D.XVII Answer:OptionD

Thisisasimpleadditionseries;eachnumberis3morethanthepreviousnumber.

14.Lookatthisseries:70,71,76,__,81,86,70,91,...Whatnumbershouldfilltheblank?

A.70 B.71 C.80 D.96 Answer:OptionA

Inthisseries,5isaddedtothepreviousnumber;thenumber70isinsertedasevery thirdnumber.

15.Lookatthisseries:VI,10,V,11,__,12,III,...Whatnumbershouldfilltheblank?

A.II B.IV C.IX D.14 Answer:OptionB

Thisisanalternatingadditionandsubtractionseries.Romannumbersalternatewith Arabicnumbers.IntheRomannumeralpattern,eachnumberdecreasesby1.Inthe Arabicnumeralpattern,eachnumberincreasesby1.

16.Lookatthisseries:J14,L16,__,P20,R22,...Whatnumbershouldfilltheblank?

A.S24 B.N18 C.M18 D.T24 Answer:OptionB

Inthisseries,thelettersprogressby2,andthenumbersincreaseby2.

17.Lookatthisseries:XXIV,XX,__,XII,VIII,...Whatnumbershouldfilltheblank?

A.XXII B.XIII C.XVI D.IV Answer:OptionC

Thisisasimplesubtractionseries;eachnumberis4lessthanthepreviousnumber.

FollowUsOnTelegram t.me/fana_education

Telegramእና YouTubeላይ FanaEducationበላችሁበትፈልጉታገኙናላችሁ

ከ9-12 ላላችሁተማሪዎች

እንደሚታወቀውከ 2015 ዓ.ም ጀምሮየዩኒቨርስቲመግቢያፈተናከ 9ኛ-12ኛክፍልያለውን የሚያጠቃልልነው።ይህምተማሪዎችላይጫናመፍጠሩየማይቀርነው።እኛምከ 2015 ዓ.ም የት /ትዘመንጀምሮበነፃ Mathematicsትምህርትንከ 9ኛ-12ኛክፍልላላችሁ ተማሪዎች Example&ExerciseSolutionጨምሮቀለልባለእናበሚገባችሁመንገድ ለየትያሉ YouTubevideoእያዘጋጀንየምናግዛችሁመሆኑንስናሳውቃችሁበታላቅ አክብሮትነው።
ከእናንተየሚጠበቀውበትኩረትመከታተልብቻነው።

Computationየበዛበትጊዜላይስላለንታሪክለመቀየርለስኬትዛሬጀምራችሁተነሱ

በትኩረትየምትከተሉንያለምንምጥርጥር 100%በቂትሆናላችሁ

ጉዞወደስኬት

Join አድርጉታተርፉላችሁ

Mathematicsይከብዳልማለትእናስጠኒመፈለግቀረ

ThankYo

FanaEducatio