8-sinf, BB (2015-2016)

1. 134+264+394 sonining nechta natural bo’luvchisi mavjud?

 A) 15 B) 12 C) 30 D) 10

2.Hisoblang. $\frac{3∙6∙9+9∙18∙27+15∙30∙45+18∙36∙54+24∙48∙72}{1∙2∙3+3∙6∙9+5∙10∙15+6∙12∙18+8∙16∙24}$

 A) 27 B) 9 C) 3 D) 54

3. (a+b)4-4ab(a+b)2+2a2b2  ni soddalashtiring.

 A) a4-b4 B) a4+b4C) a2-ab+b2 D)a2+ab+b2

4.Soddalashtiring. $\frac{a^{2}-ab-ac+bc}{a^{2}-ac-bc+ab}-\frac{b^{2}+bc-ab-ac}{b^{2}+ab+ac+bc}$

 A) 0 B) $\frac{2a-2b}{a+b}$ C) $\frac{-2b}{a+b}$ D)$\frac{2a}{a+b}$

5. Qavariq to’rtburchakning tomonlari o’rtalarini tutashtirganda qanday geometrik jism hosil bo’ladi?

A) kvadrat B) to’g’ri to’rtburchak

C) romb D) parallelogramm

6. n natural son bo’lsa quyidagilardan qaysi biri doimo juft?

A) 2011n+n2-5 B) 2012n+n5+2

C) 2015n3+14n2-n2 D) 404n5+202n3-n2

7. Hisoblang. $\frac{0.3\left(7\right)-0,2(3) }{0,2(26) }$

A) $\frac{10}{11}$ B) $\frac{22}{10}$ C) $\frac{20}{11}$ D) $\frac{11}{20}$

8. Agar bo’luvchi x2-3x+2, bo’linma x+3 va qoldiq 2x-5 ga teng bo’lsa, bo’linuvchi ko’phadni toping.

 A) x3-6x2-13x+5 B) x3-5x+1

 C) x3-13x+1 D) x3+6x2-13x+5

9. Soddalashtiring. $\frac{x^{2}-3(x+6) }{x-6}$

 A) x2-3 B) x+3 D) 6 C) x-6

10. Muntazam 45 burchakning ichki burchagi necha gradus?

 A) 172o B) 164o C) 135o D) 176o

11. To’rt kishi do’kondan 6000 so’mlik savdo qilishdi. Birinchi kishi qolgan uch kishi to’lagan pulning yarimini to’ladi. Ikkinchi kishi qolgan uch kishi to’lagan pulning uchdan birini to’ladi. Uchinchi kishi qolgan uch kishi to’lagan pulning to’rtdan birini to’ladi. To’rtinchi kishi ovqatga necha pul to’lagan?

 A) 1000 B) 1200 C) 1300 D) 1400

12. Hisoblang: $\frac{1}{5∙6}+\frac{1}{6∙8}+\frac{1}{8∙10}+\frac{1}{10∙12}+…+\frac{1}{34∙36}$

 A) $\frac{31}{180}$ B) $\frac{13}{90}$ C) $\frac{37}{360}$ D) $\frac{13}{45}$

13. $ 8^{a+3} $soni $2^{3a-2}$ sonidan necha marta kata?

 A) $2^{11}$ B) $2^{5}$ C) $2^{7}$ D) $2^{13}$

14. $3x^{12}-4x^{6}+1=0$ tenglamaning ildizlari yig’indisini toping.

 A) $\frac{1}{3}$ B) 4 C) 0 D) $\frac{4}{3}$

15. Qavariq 14 burchakning diagonallari nechta?

 A) 68 B) 77 C) 72 D) 56

16. Ko’pburchak ichki burchaklari yig’indisi

 2700 ga teng. Shu ko’pburchakning tomon-

 lari sonini toping.

 A) 13 B) 15 C) 17 D) 19

17. Agar  bo’lsa, x²+y² ning qiymatini

 toping.

 A) 2 B) 4 C) 8 D)10

18. C nuqta AB kesmani AC:CB=1:3 nisbatda

 bo’ladi. CB:AB nisbatni toping.

19. Tenglamani yeching: 

20. Soddalashtirirng: 

21. Trapetsiyaning uchta tomoni 6sm dan, to’rtinchi

 tomoni esa 12 sm. Trapetsiyaning kichik burcha-

 gini toping.

22. Parallelogramning tomonlari 5 va 12 ga teng.

 Uning katta tomoniga yopishgan burchaklarining

 bissektrisalari qarshisidagi tomonni uchta kes-

 maga ajratadi. Kichik kesma uzunligini toping.

23. Tashqi burchagining har biri 12 ga teng bo’l-

 gan qavariq ko’pburchakning nechta tomoni bor?

24. Teng yonli trapetsiyaning katta tomoni 5,4 dm

 ga, yon tomoni 2 dm ga va ular orasidagi bur-

 chak 60 ga teng. Uning kichik asosini toping.

25. y=2x-4 funksiya grafigigi qaysi chorakdan

 o’tadi?