**1-topshiriq. Joyda o’lchangan masofaning berilgan masshtab bo’yicha planda qanchalik kichraytirilib ko’rsatilishini aniqlash.**

**1-jadval**

|  |  |  |  |
| --- | --- | --- | --- |
| Variantlar№ | Yer yuzasida o’lchangan masofa, m hisobida | Masshtab | Kartada (plandagi uzunlik)  |
| 1 | 18.0 | 1:1000 |  |
| 2 | 25.0 | 1:1000 |  |
| 3 | 33.0 | 1:1000 |  |
| 4 | 108.0 | 1:1500 |  |
| 5 | 550.0 | 1:25000 |  |
| 6 | 630.0 | 1:10000 |  |
| 7 | 725.0 | 1:25000 |  |
| 8 | 1550.0 | 1:500000 |  |
| 9 | 320.0 | 1:10000 |  |
| 10 | 44.0 | 1:1000 |  |

**2-topshiriq. Kartada 2 nuqta orasidagi uzunlik (mm hisobida) berilgan bo’lsa, uning joydagi uzunligini aniqlash.**

**2-jadval**

|  |  |  |  |
| --- | --- | --- | --- |
| Variantlar№ | Masshtab | Kartada (plandagi uzunlik) mm hisobida | Yer yuzasida uzunlik |
| 1 | 1:25000 | 540 |  |
| 2 | 1:25000 | 350 |  |
| 3 | 1:10000 | 32 |  |
| 4 | 1:10000 | 72 |  |
| 5 | 1:10000 | 54 |  |
| 6 | 1:10000 | 11 |  |
| 7 | 1:25000 | 143 |  |
| 8 | 1:5000 | 17 |  |
| 9 | 1:1000 | 38 |  |
| 10 | 1:1000 | 44 |  |

**3-topshiriq. Kartaning masshtabini aniqlash.**

**3-jadval**

|  |  |  |  |
| --- | --- | --- | --- |
| Variantlar№ | Karta(plan) dagi 2 nuqta orasidagi uzunlik, mm hisobida | Yer yuzasida o’lchangan uzunlik, m hisobida | Karta(plan) ning Masshtab  |
| 1 | 21 | 210 |  |
| 2 | 38 | 380 |  |
| 3 | 25 | 250 |  |
| 4 | 130 | 1300 |  |
| 5 | 128 | 1280 |  |
| 6 | 54 | 1350 |  |
| 7 | 180 | 1800 |  |
| 8 | 30 | 1500 |  |
| 9 | 20 | 500 |  |
| 10 | 112 | 1220 |  |

**4-topshiriq. Topografik kartalarda masofani quydagi usullar orqali bajarish.**

1. Masofalarni kichik bo’lakchalarga bo’lgan holda aniqlash

2. Uzunlik ustiga bir oz namlangan ip qo’yib aniqlash

3. Uzunlik maxsus Kurvimetr asbobida aniqlash

**5-topshiriq. Topografik kartada maydonlar quydagi usullar orqali bajarish.**

1. Grafik-analitik usulda o’lchash.

2. Paletkalar vositasida o’lchash

3. Planimetr bilan o’lchash