

Montessori bilježnica za matematiku

Pripremila: dr. sc. Carla Konta



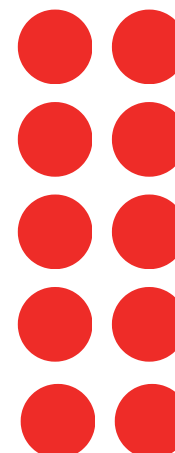
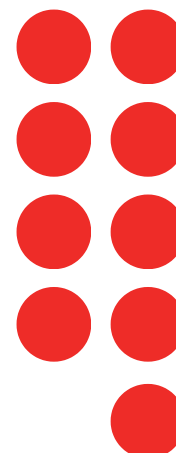
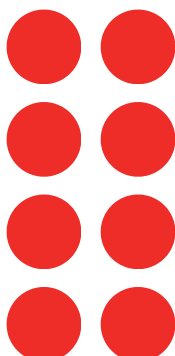
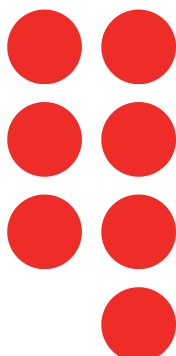
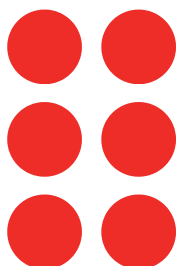
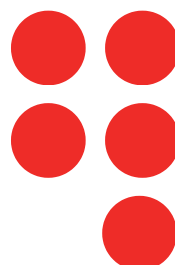
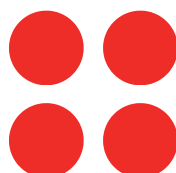
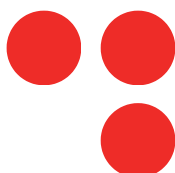
Opće napomene

- ova bilježnica nije statična, već joj svaki mjesec dodajemo nove stranice
- koristi ove predloške zajedno s pravim Montessori materijalima kako bi doživljaj djeteta bio autentičniji i realniji
- ispiši ove materijale koliko god je puta potrebno
- ponudi ih kao dodatak vašim aktivnostima, ne kao radne listove
- zapamti: ruka je sredstvo inteligencije – neka ti ove stranice budu poticaj za još više “hands-on” aktivnosti s djetetom

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Brojevi i žetoni

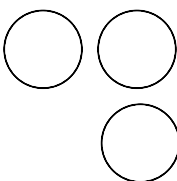
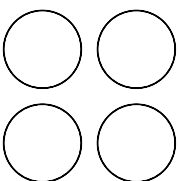
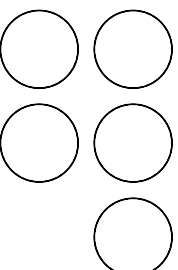
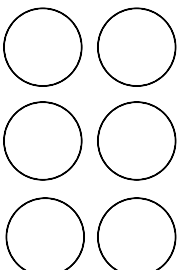
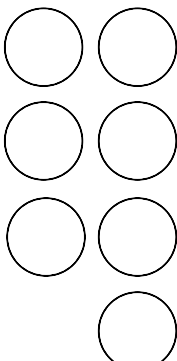
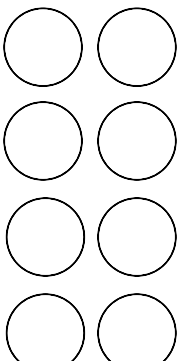
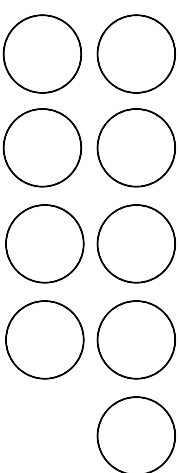
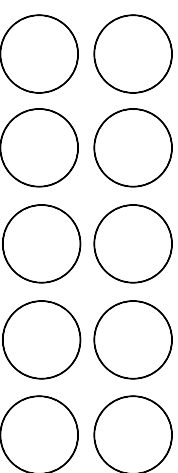
Prebroji i upiši svoj odgovor u okvir.



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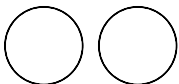
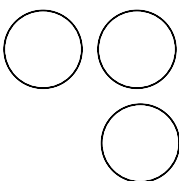
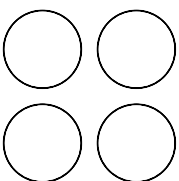
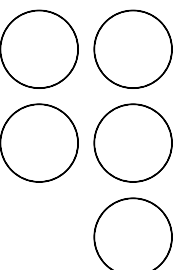
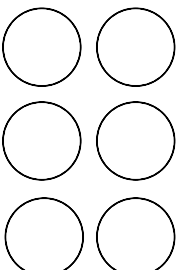
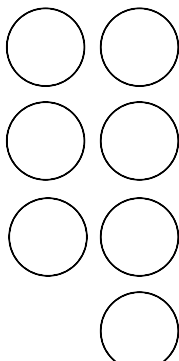
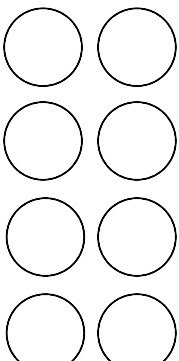
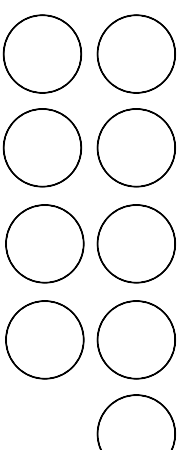
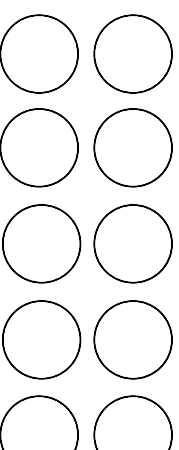
Zaokruži parove kružića. Oboji crvenom bojom kružice koji ostanu sami kako bi označio neparne brojeve.

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6	7	8	9	10
				

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Brojevi i žetoni

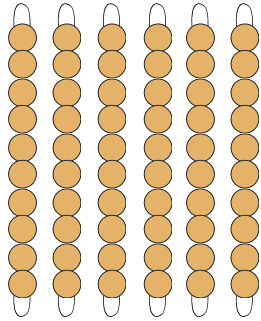
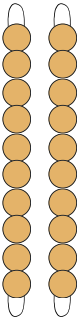
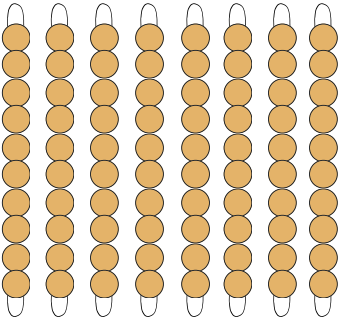
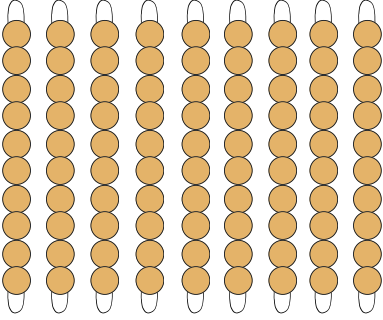
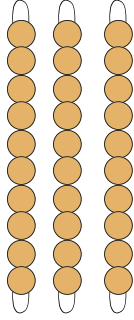
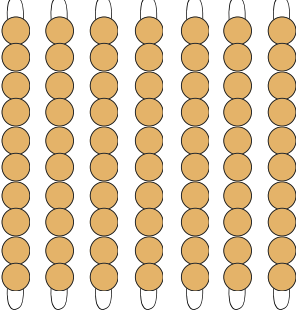
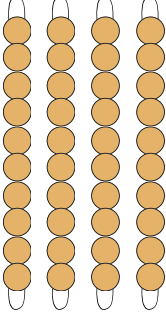
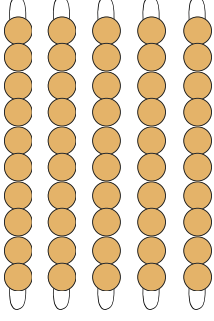
Oboji skupove od po dva zelenom bojom kako bi pokazao da su parni.

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6	7	8	9	10
				

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Desetice zlatih perlic

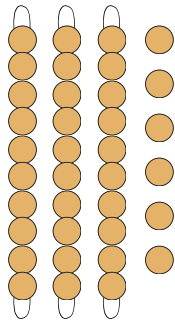
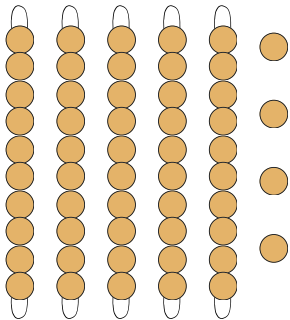
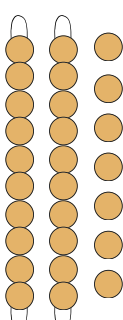
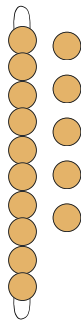
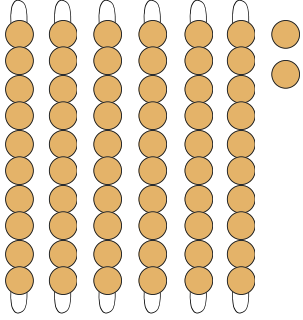
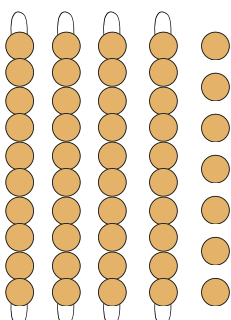
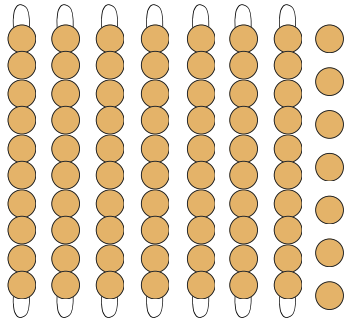
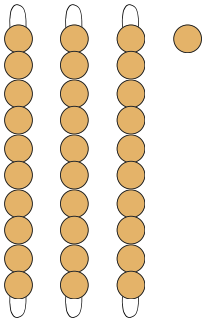
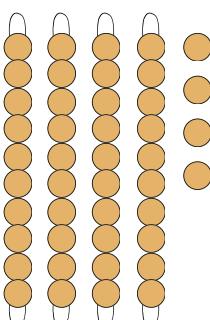
Prebroji desetke i upiši svoj odgovor

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 50 70 40	 20 30 40	 70 60 50

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Desetice zlatih perlic

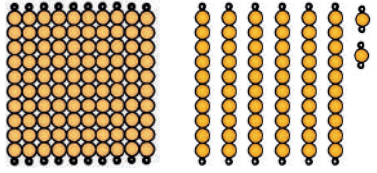
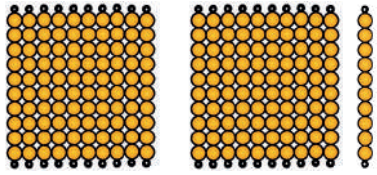
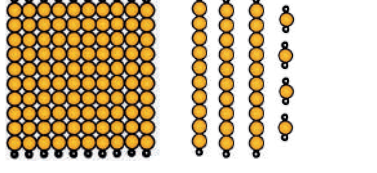
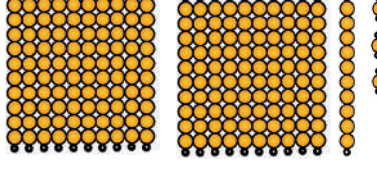
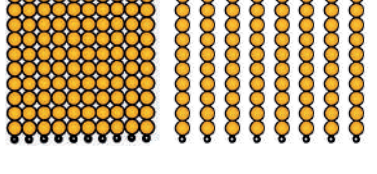
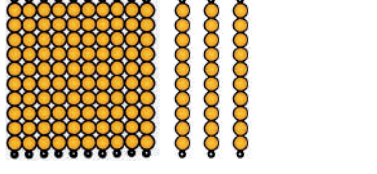
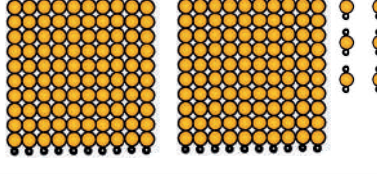
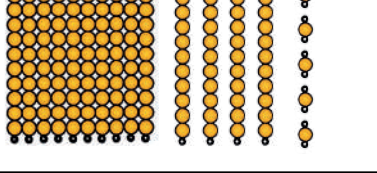
Prebroji desetke i upiši svoj odgovor

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 17 18 15	 63 61 62	 49 48 47
 77 78 76	 32 31 33	 44 45 46

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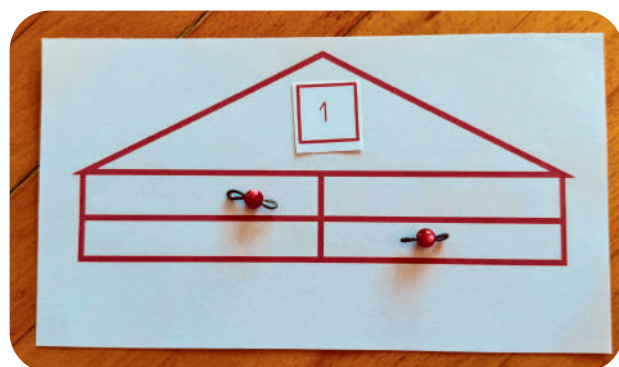
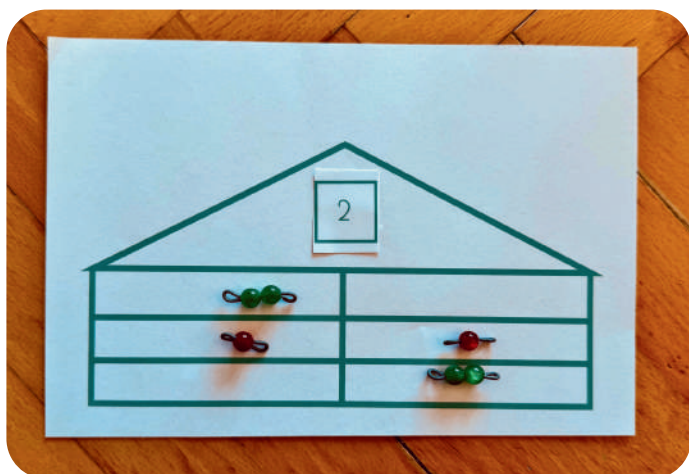
Odgonetni broj

Ispuni tablicu brojevima i imenima brojeva.

	162	Sto šezdeset i dva
		
		
		
		
		
		
		

Kućice šarenih perlica

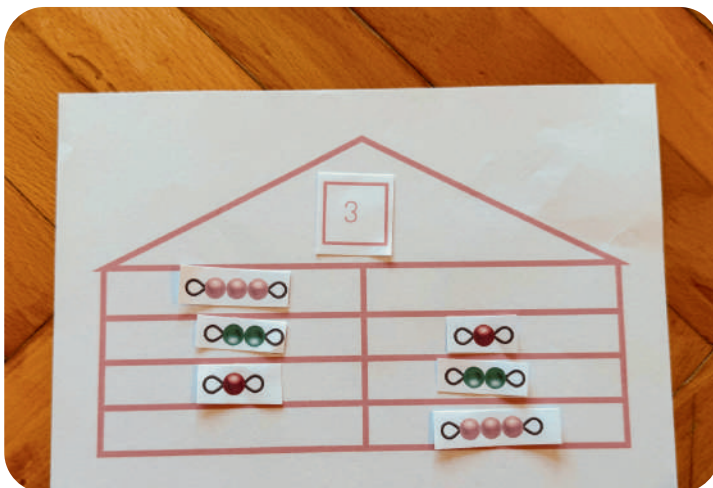
- U Montessori pedagogiji, kuće s perlicama koriste se kao konkretni alat za učenje osnovnih matematičkih koncepata, posebno zbrajanja i oduzimanja, kroz materijal koji omogućuje djeci da fizički manipuliraju brojevima i njihovim odnosima. U ovoj aktivnosti, perlice služe kao konkretni prikaz brojeva i njihovih kombinacija, pomažući djeci u procesu internalizacije matematičkih principa.
- Svaka kuća predstavlja obitelj brojeva, a perlice unutar svake kuće omogućuju djeci da vizualiziraju različite matematičke odnose. Na primjer, djeca mogu koristiti perlice za učenje kako broj 5 može biti sastavljen od 2 i 3, ili kako broj 10 može biti zbrojen od 4 i 6. Aktivnosti s kućama perlicama također omogućuju djeci da uče o komplementarnim brojevima (brojevi koji zajedno čine određeni broj, poput $5 + 5 = 10$) i svojstvima zbrajanja i oduzimanja. Ovaj pristup omogućava djeci da razumiju matematičke operacije u fizičkom, konkretno iskustvenom kontekstu, što je ključno za Montessori metodologiju, koja se oslanja na učenje kroz direktnu interakciju s materijalima.



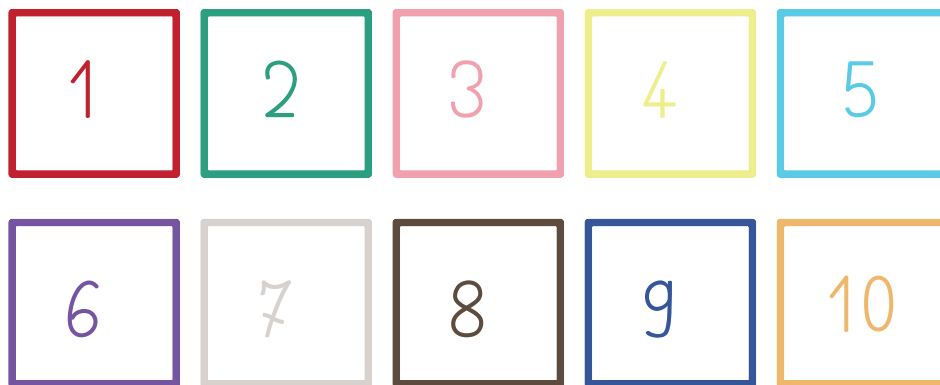
Kućice šarenih perlica

VAŽNO!

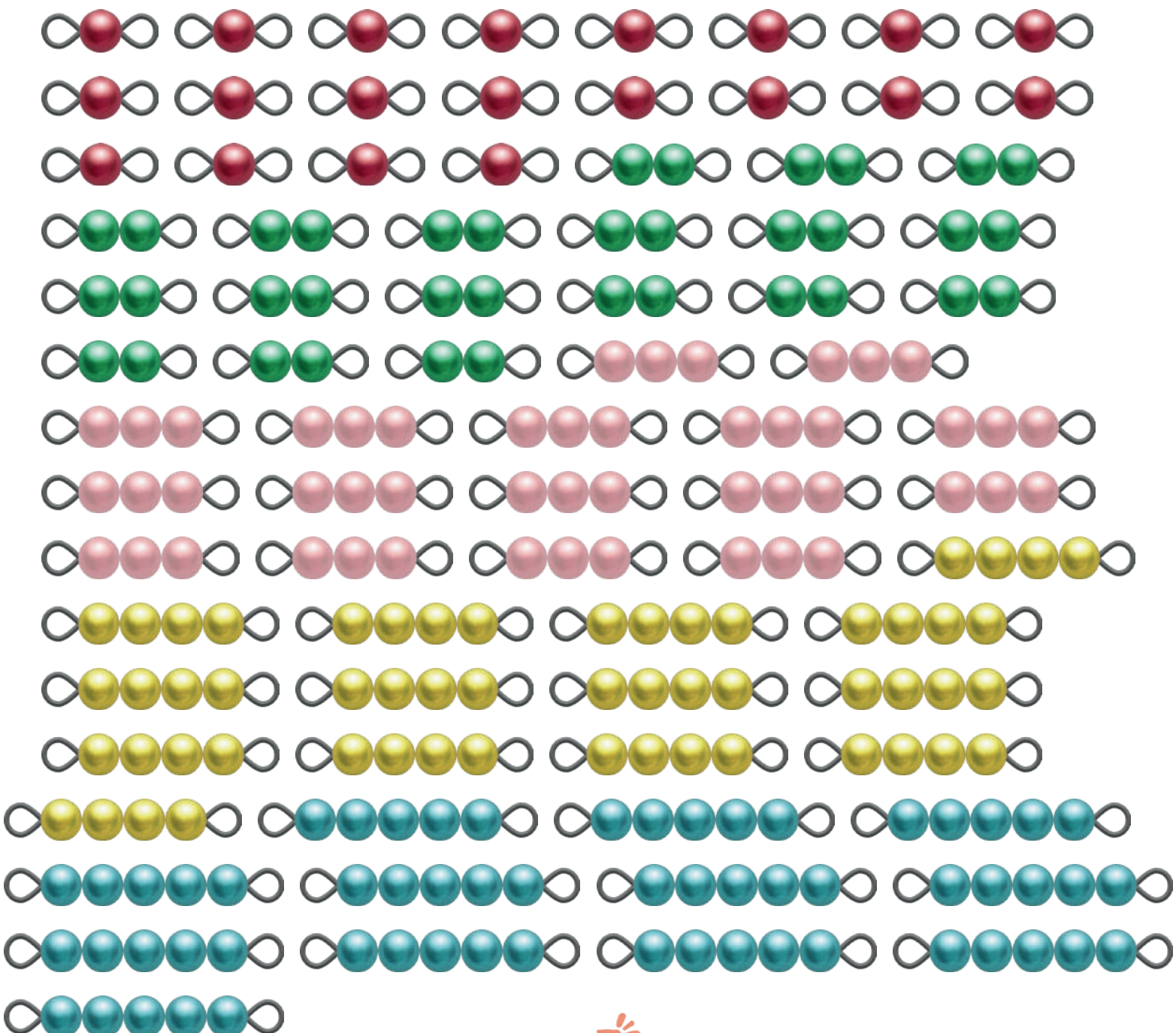
1. Koristi ove predloške s pravim Montessori perlicama ili ispisanim perlicama iz ovog PDF-a kako bi sastavili brojevne obitelji za svaku numeriranu kućicu. Uz perlice za ispisivanje dolaze i brojevi koje možeš postaviti na "krov" svake kućice. Preporučujemo ti korištenje pravih šarenih perlica jer se Montessori matematika temelji upravo na realnom iskustvu. Više o pravim Montessori perlicama saznaj u ovoj lekciji.
2. Možete produžiti aktivnost tako da ispišete prazne kuće, brojeve i perlice na običnom papiru. Osigurajte škare i ljepilo kako bi dijete izrezalo i zalijepilo odgovarajuće perlice na svaku kuću.
3. Umjetničke ekstenzije za Kuću s perlicama: ispišite kuće s konturama perlica (ili prazne kuće za naprednije učenike). Djeca mogu obojiti perlice bojicama ili flomasterima, ili koristiti pamučne štapiće i boje za nanošenje točkica na konture perlica.

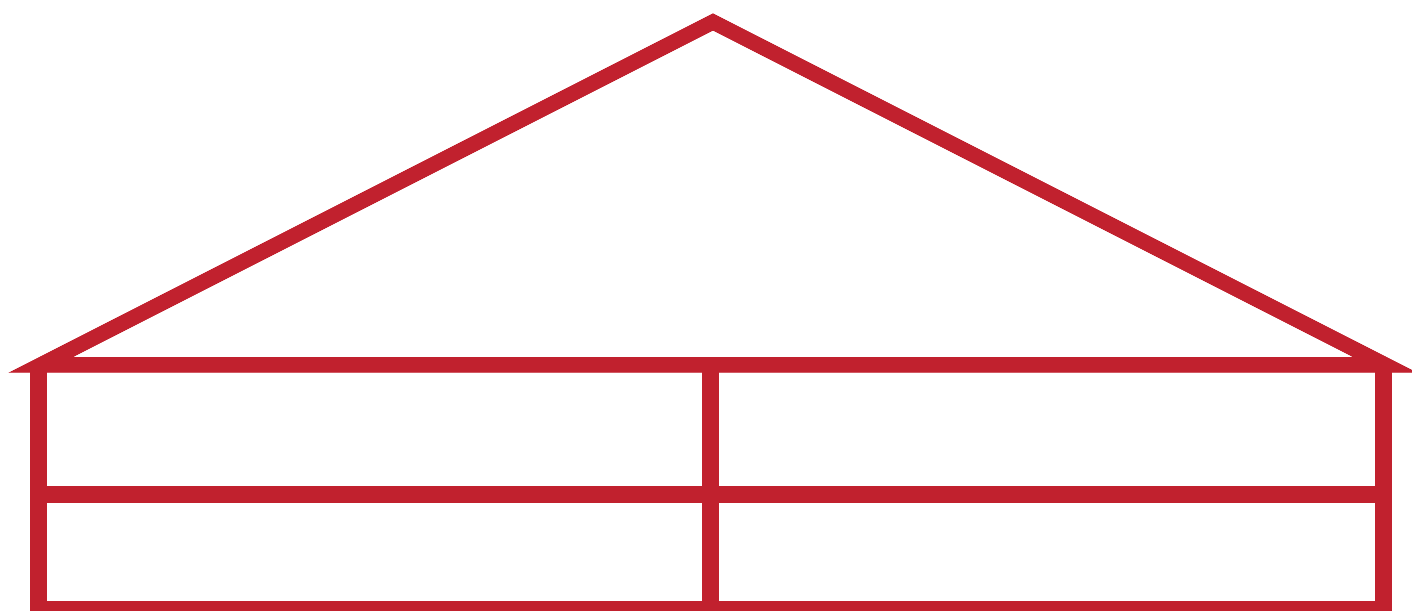
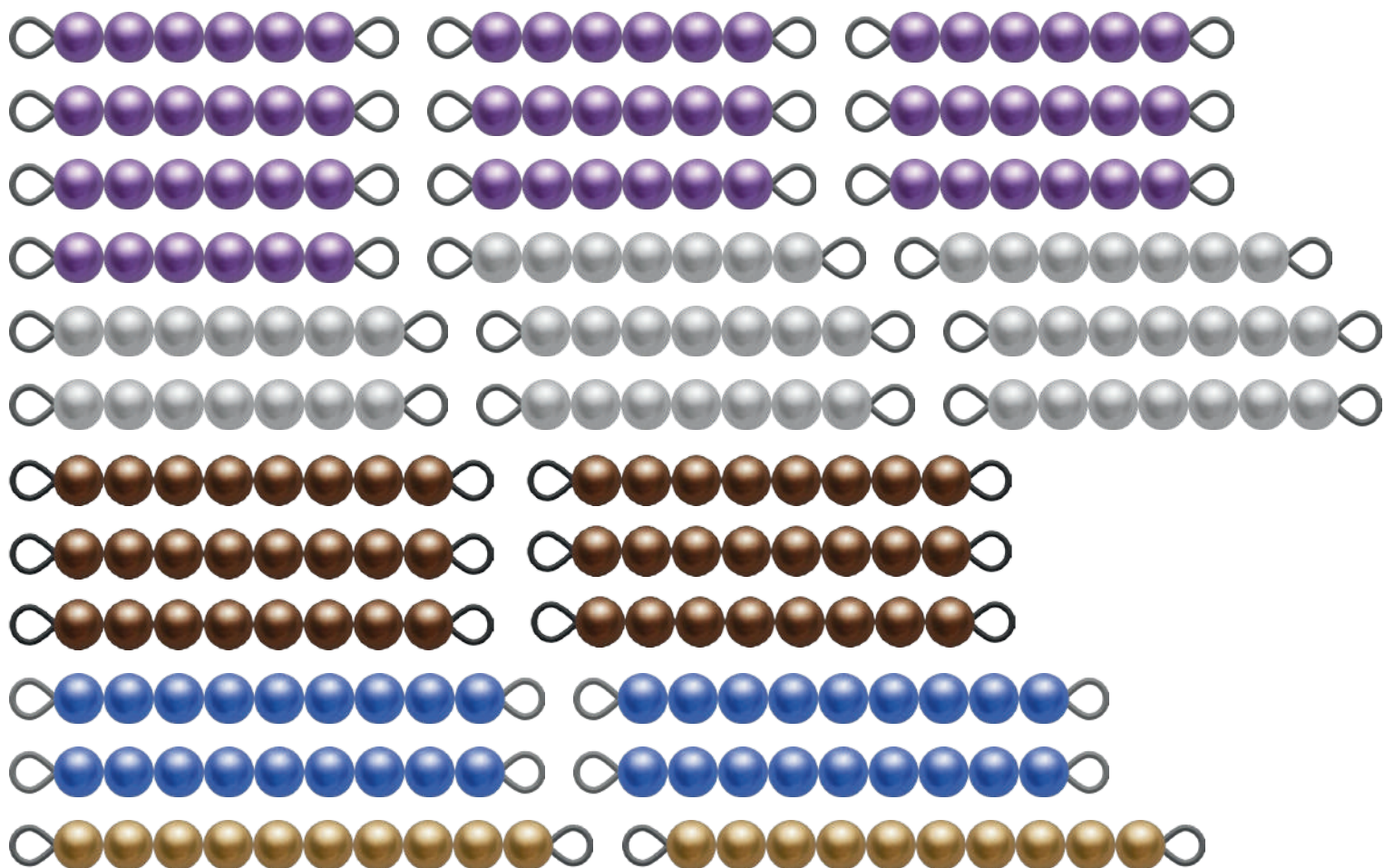


Ispisivi brojevi za kuće s perlicama

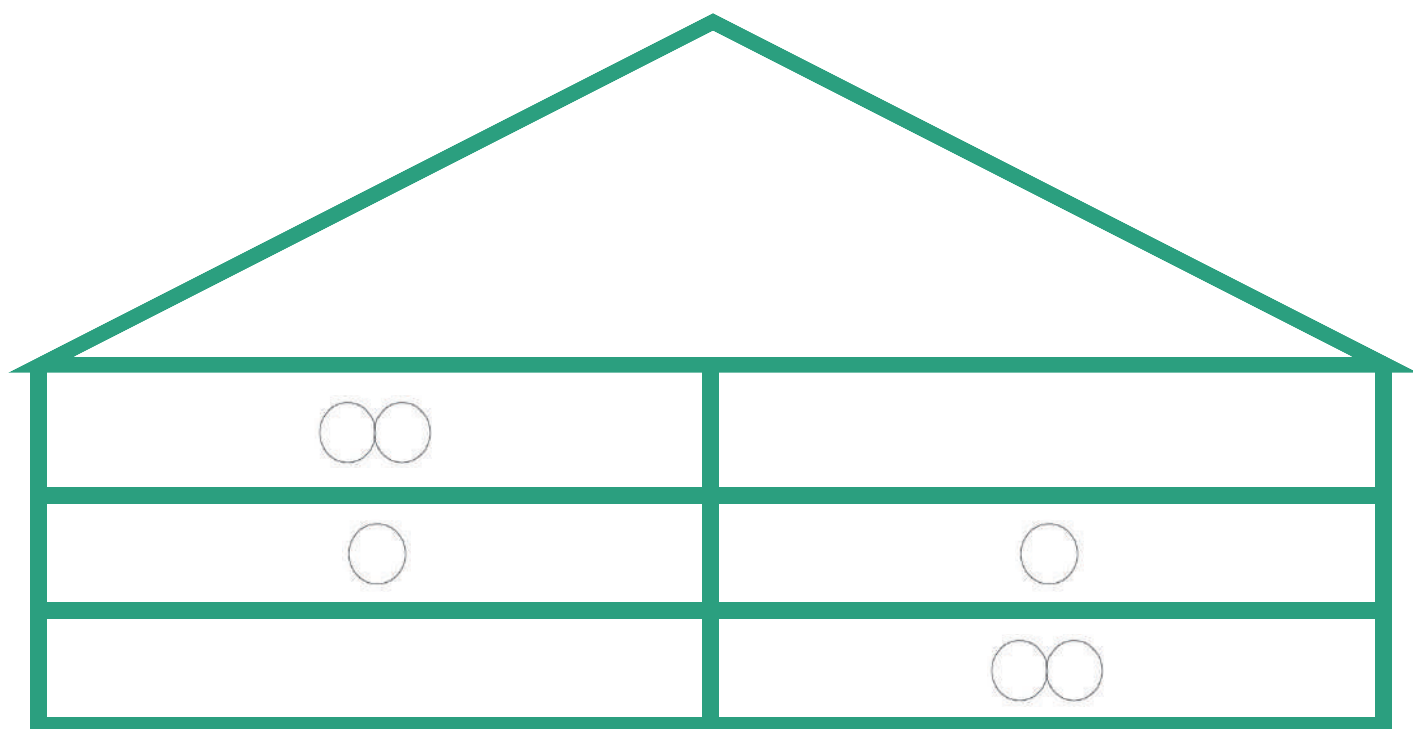
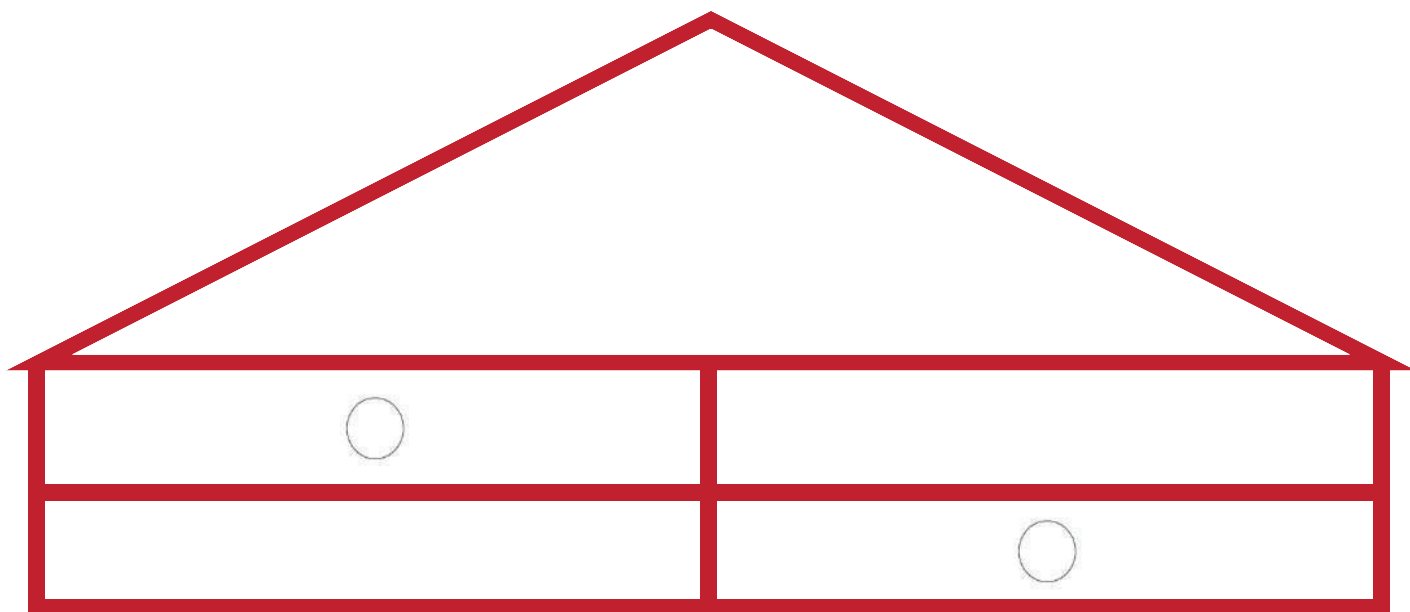


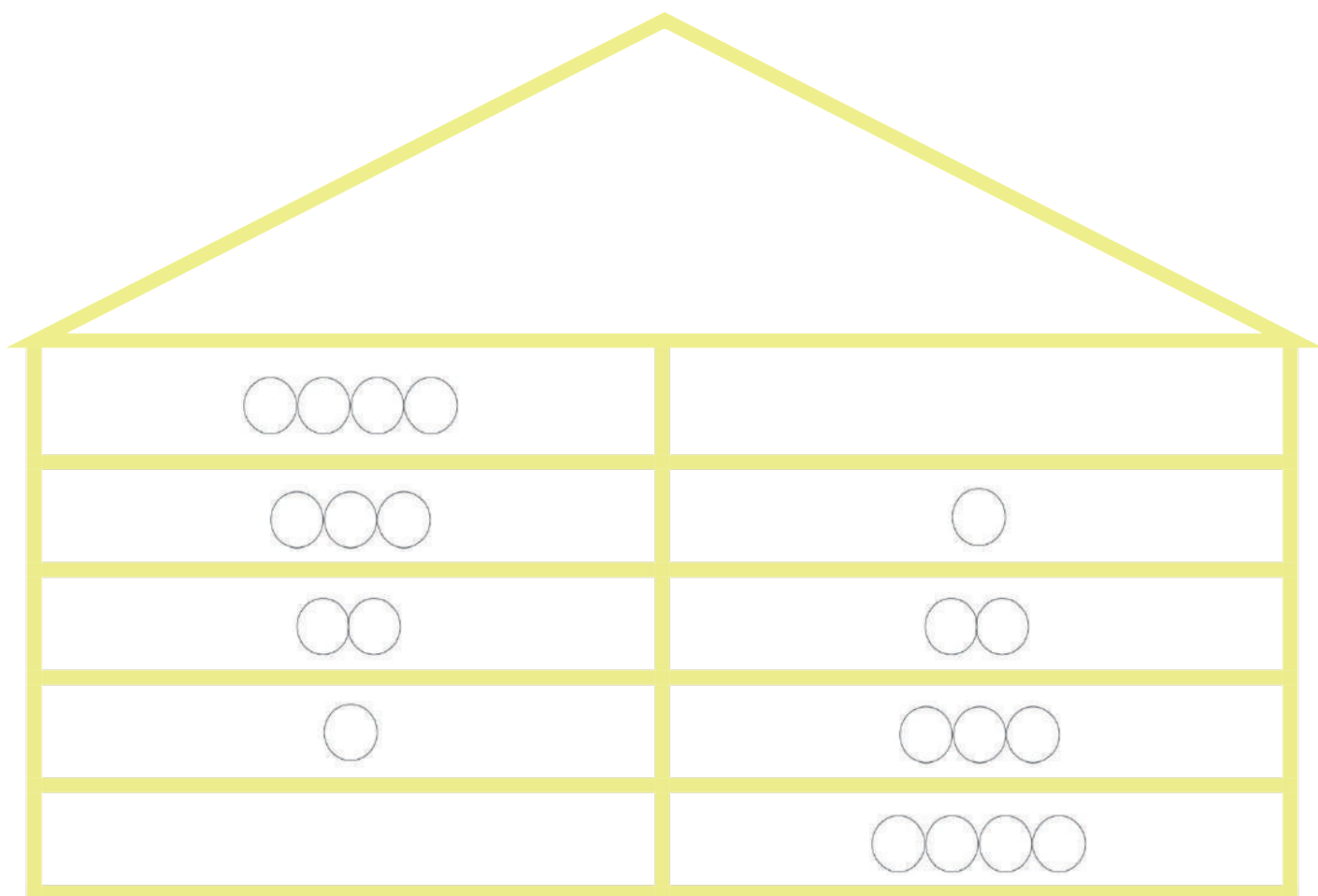
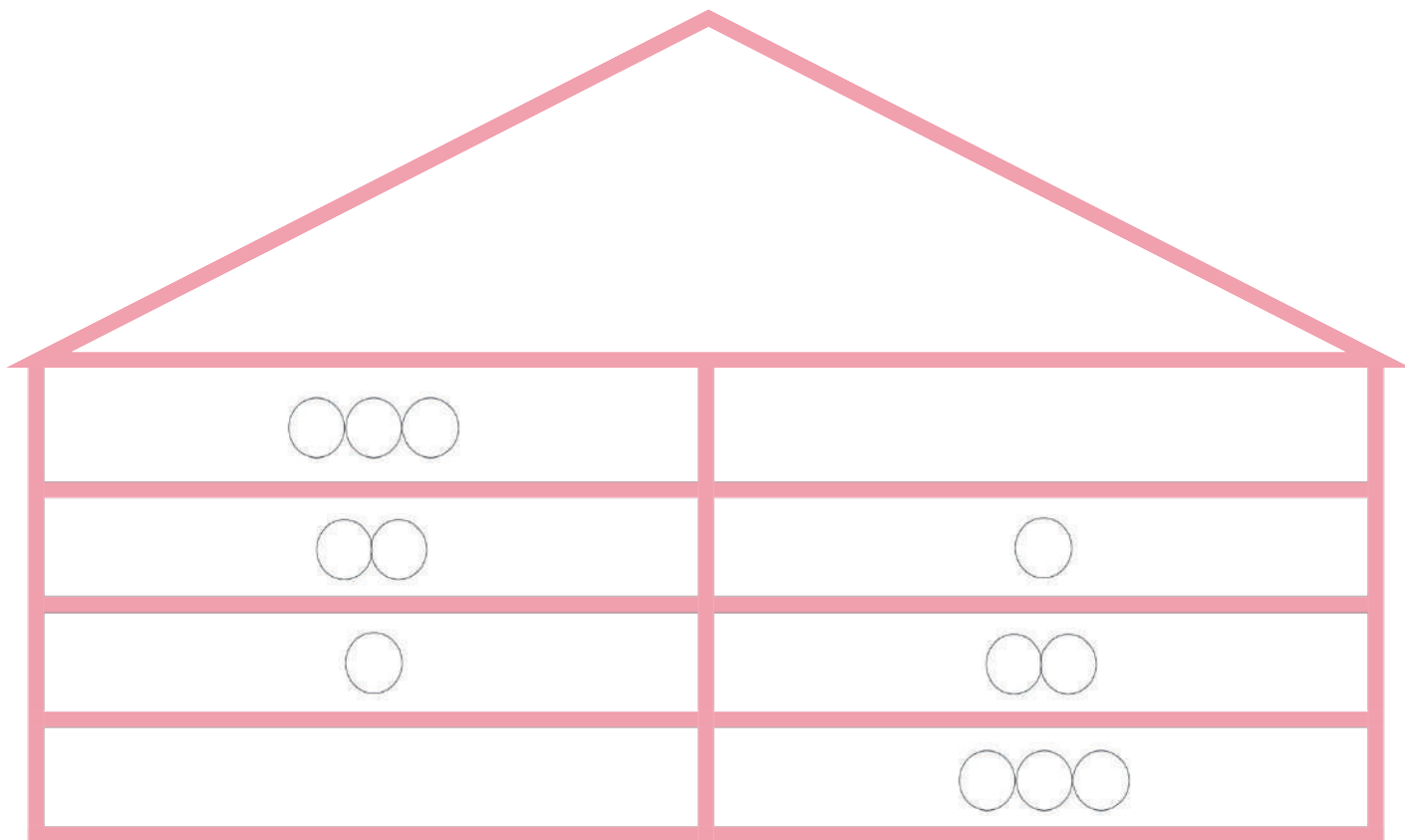
Ispisive perlice za kuće s perlicama

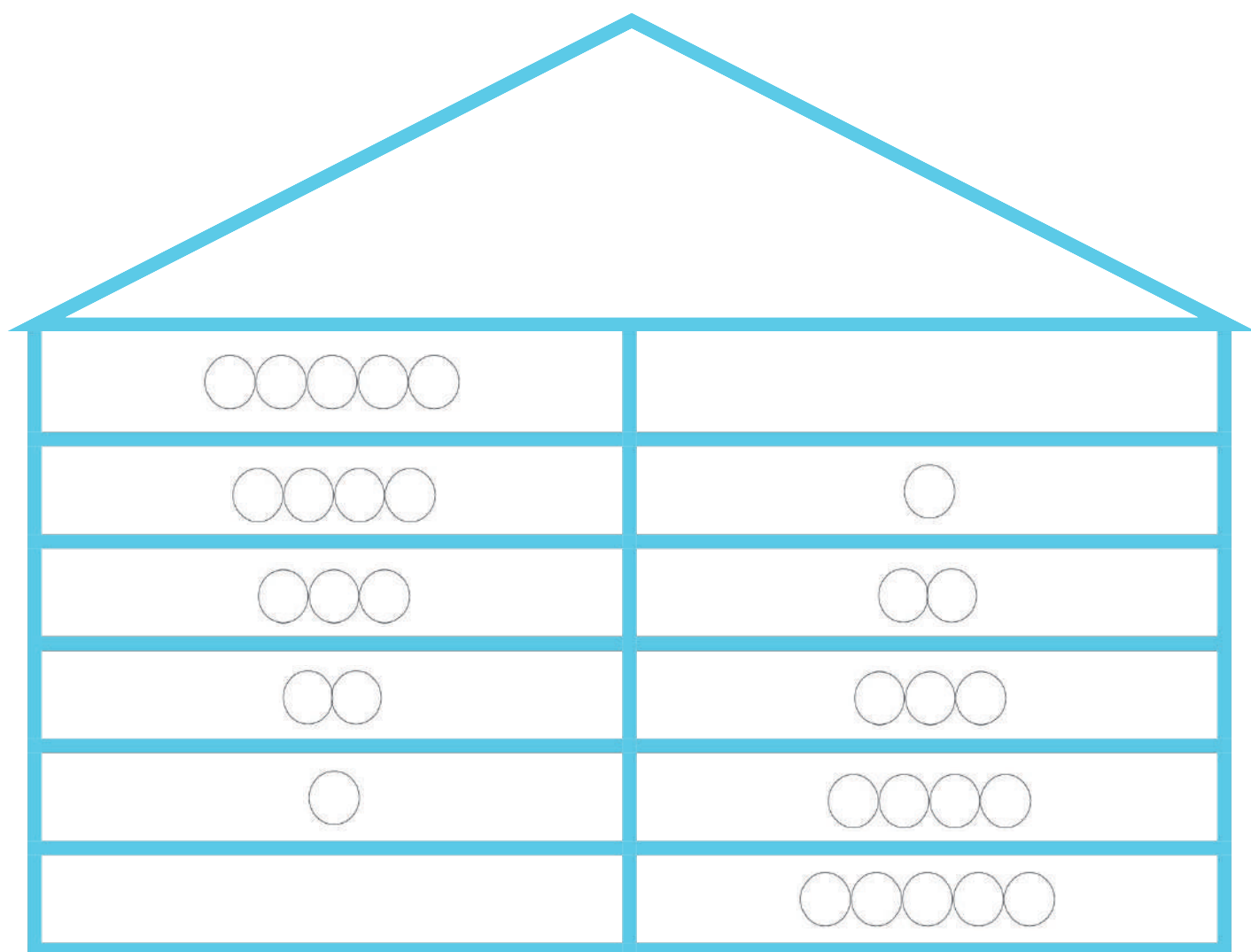


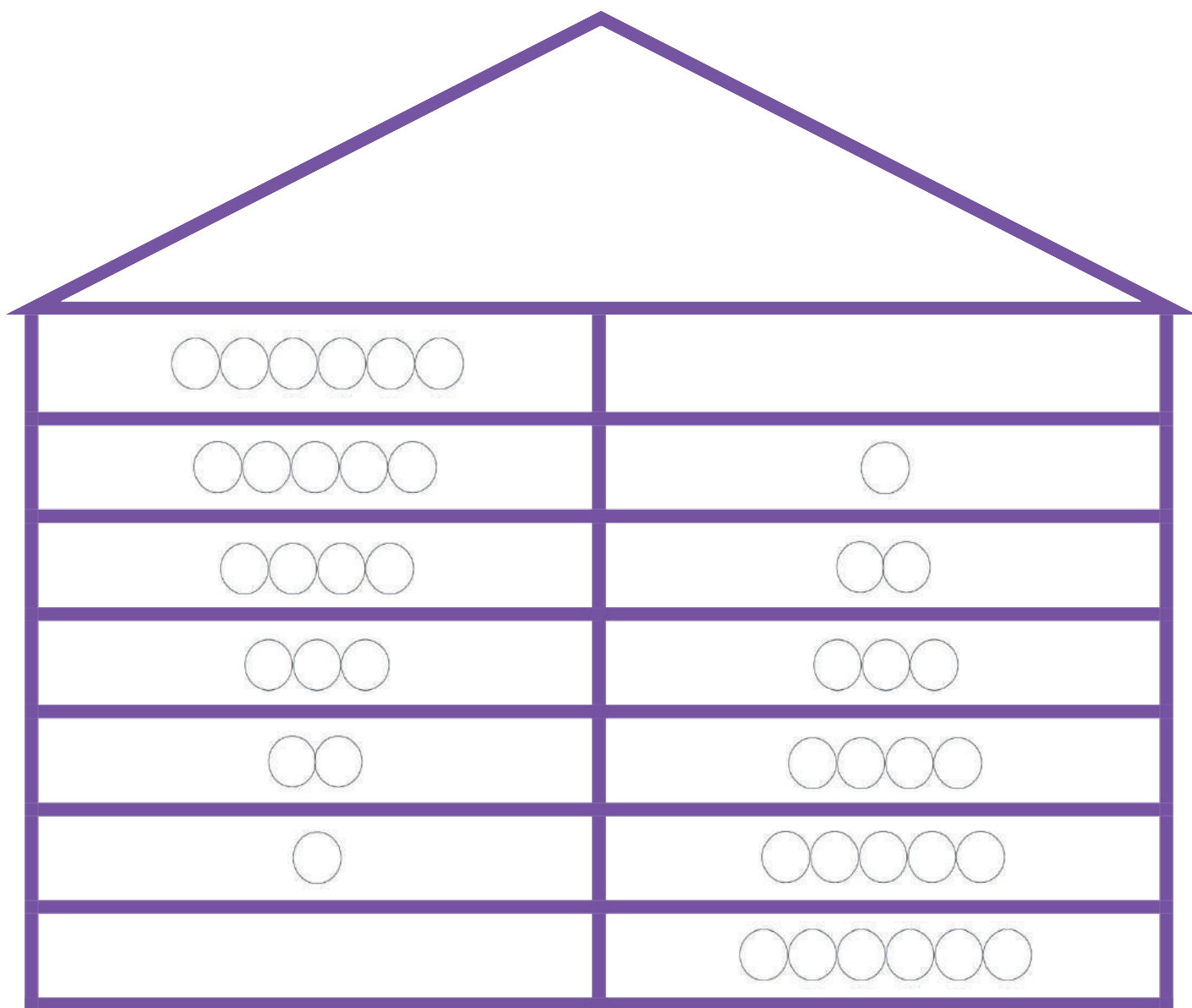


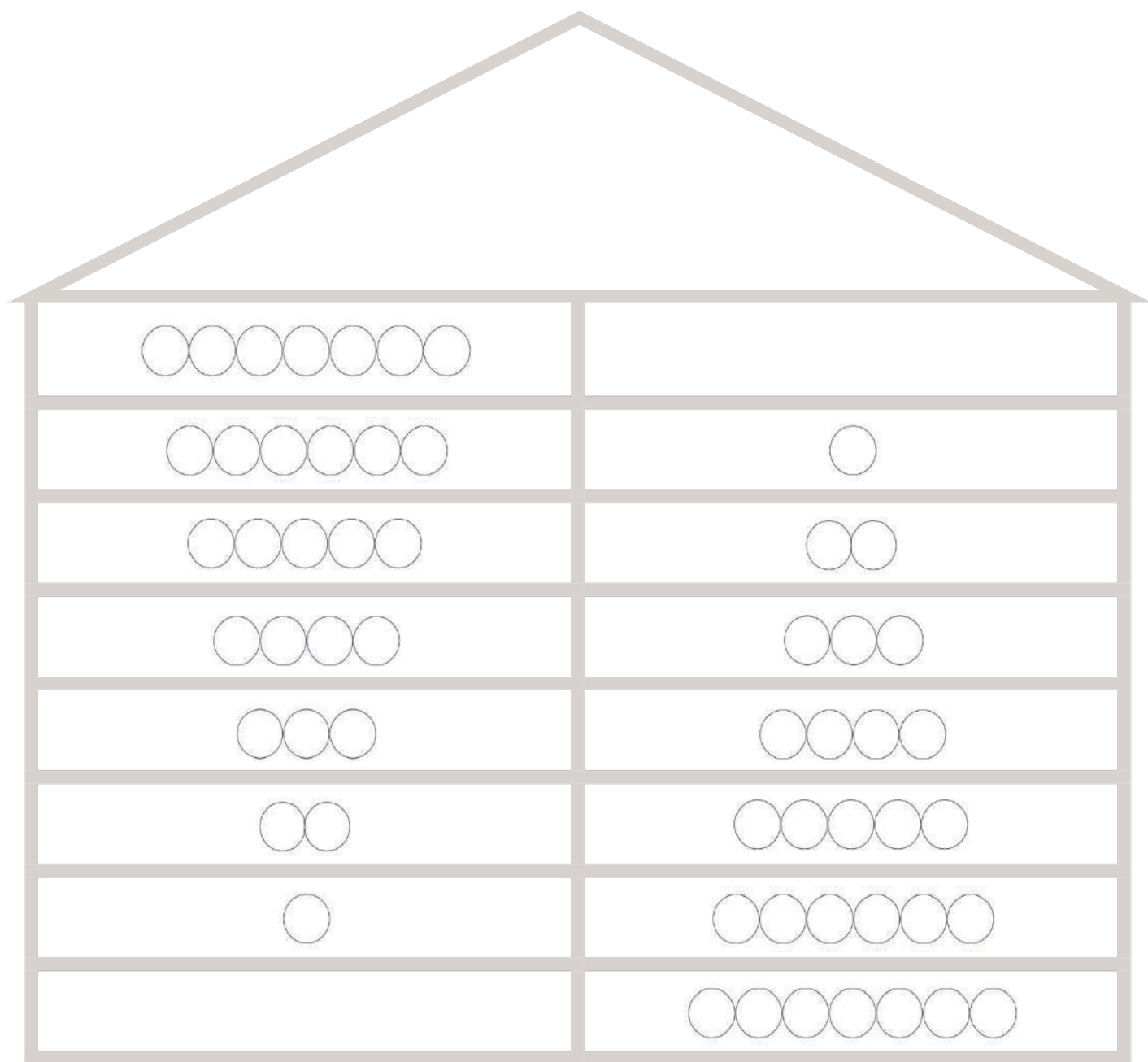
Ispisive kuće s perlicama za bojanje ili slikanje pamučnim štapićima



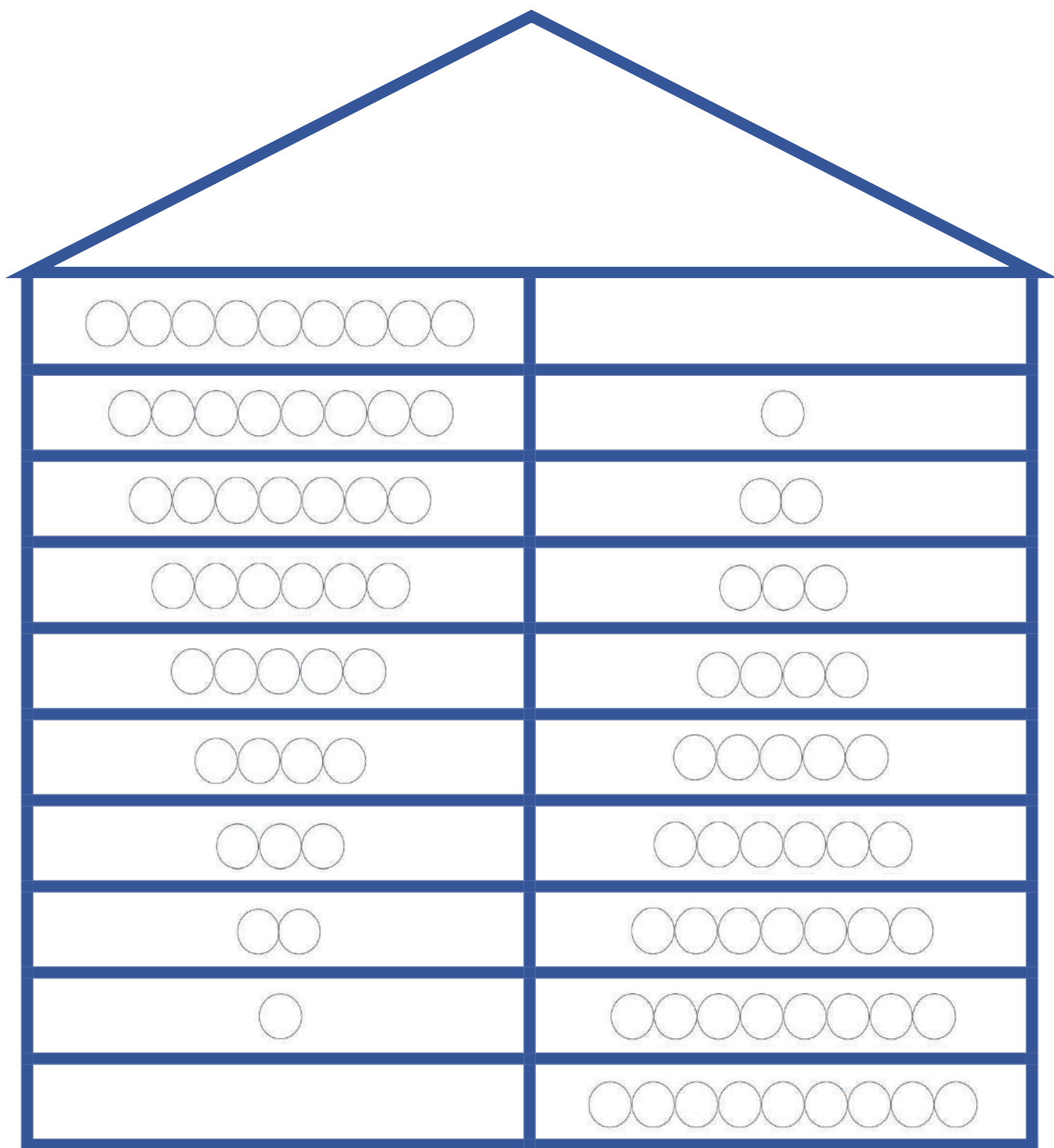








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