**MATEMATIČNA DELAVNICA 7**

**Dejavnost ustreza za 2 šolski uri, torej za 2 tedna. V šolo prinesi rešitve, lahko pa mi jih (ali kot sliko, sken, wordov dokument) pošlješ že po e-mailu:** **ntpdgr@gmail.com**

**PALINDROMNA ŠTEVILA**

PALINDROMNO ŠTEVILO JE TAKŠNO ŠTEVILO, KI GA Z LEVE IN DESNE STRANI PREBEREMO NA ENAK NAČIN.

Npr. 55, 121, 2332, TUDI VSA ENOMESTNA ŠTEVILA SO PALINDROMNA: 1,2,3,...

10 PA NI PALINDROMNO ŠTEVILO.

Predstavitev naloge:

Npr: Izberemo dvomestno število 27. Zamenjamo vrstni red števk in zapišemo število 72. Vsota števil 27 in 72 je 99. ZAPIS: 27 + 72 = 99

Število 99 je palindromno število, saj ga z leve in desne strani preberemo na enak način.

KAJ BOŠ DELAL-A?

Koliko števil med prvimi devetindevetdesetimi naravnimi števili ima lastnost, da je vsota izbranega števila in števila, ki ga dobimo tako, da zamenjamo vrstni red števk, palindromno število?

V pomoč ti bo tabela, v katero zapisuješ ustrezna števila-REŠITVE:

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UGOTOVITEV:

V preglednici bodo zapisana vsa palindromna števila, ki so vsote naravnega števila do 99 in števila z zamenjanim vrstnim redom števk.

Našel boš 14 različnih palindromnih števil: štiri števila z eno števko, devet števil z dvema števkama in eno število s tremi števkami.

**2. naloga: Preveri, ali drži spodnja trditev? Dokaži na svoj način.**

Vsa zapisana dvomestna in trimestna palindromna števila so večkratniki števila 11.