



КОИ ЧИСЛА РАБОТЯТ ЗАЕДНО? ОБЩИ ДЕЛИТЕЛИ И НОД

Имена: _____ Дата: _____

Клас: _____

Задача 1. Запишете едно възможно число, което прави равенството вярно.

а) НОД (8, __) = 4 Едно възможно число: _____

б) НОД (9, __) = 1 Едно възможно число: _____

в) НОД (18, __) = 6 Едно възможно число: _____

г) НОД (35, __) = 5 Едно възможно число: _____

Задача 2. Намерете числото, което е представено като произведение от прости множители.а) $2^3 \cdot 5^2 =$ _____б) $2^2 \cdot 3 \cdot 7 =$ _____в) $3^2 \cdot 5 \cdot 11 =$ _____г) $2^4 \cdot 3^2 =$ _____**Задача 3.** Намерете НОД на числата. Покажете един от възможните начини за решаване и запишете резултата.а) $2^3 \cdot 3^2$ и $2^2 \cdot 3 \cdot 5$ _____
_____б) $2^4 \cdot 5$ и $2^2 \cdot 3 \cdot 5^2$ _____
_____в) $2^4 \cdot 5$ и $2^2 \cdot 3 \cdot 5^2$ _____

в) $3^2 \cdot 7$ и $2 \cdot 3 \cdot 7^2$



г) $2^3 \cdot 3 \cdot 11$ и $2^2 \cdot 11$

Задача 4. Кои от двойките са взаимно прости?

а) $2^2 \cdot 3$ и $5 \cdot 7$

б) $2^3 \cdot 5$ и $2 \cdot 3^2$

в) $3^2 \cdot 11$ и $2 \cdot 5 \cdot 7$

г) $2^2 \cdot 7$ и $3 \cdot 5^2$

Задача 5. За училищен празник са подготвени 30 тетрадки и 45 химикалки. Искаме да направим възможно най-много еднакви комплекти, като във всеки комплект има еднакъв брой тетрадки и еднакъв брой химикалки.

а) Колко най-много еднакви комплекта могат да се направят?

Отговор: _____

б) Колко тетрадки и колко химикалки ще има във всеки комплект?

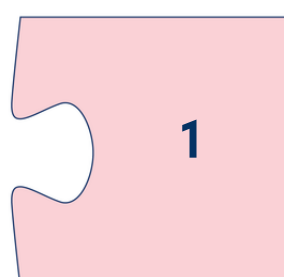
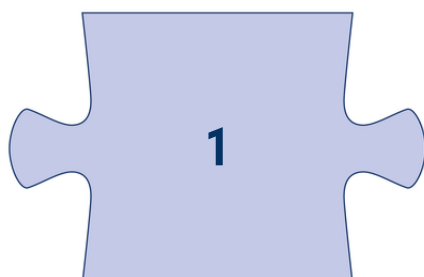
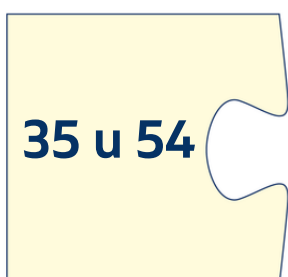
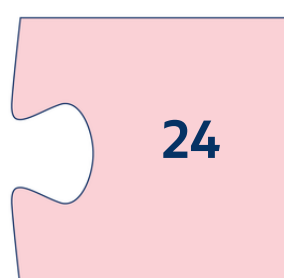
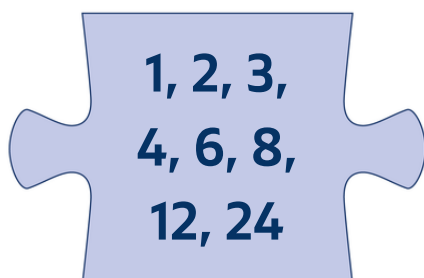
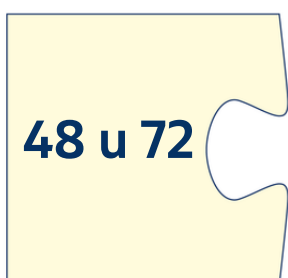
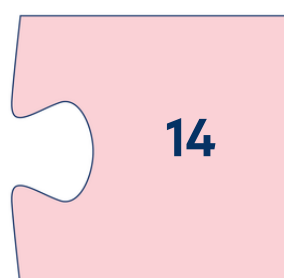
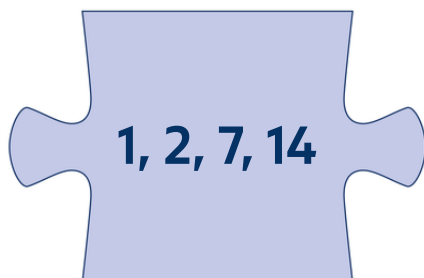
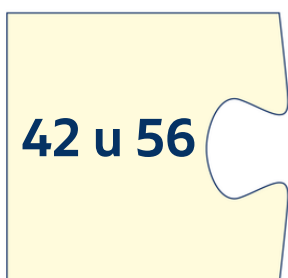
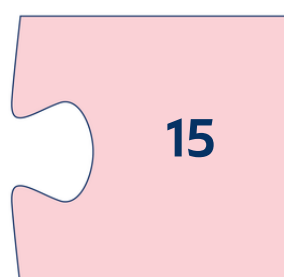
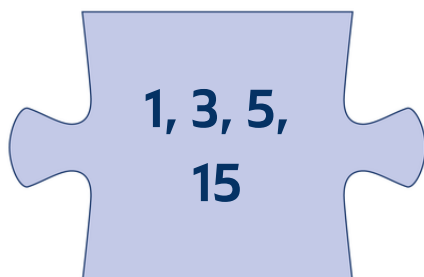
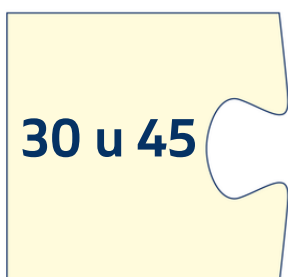
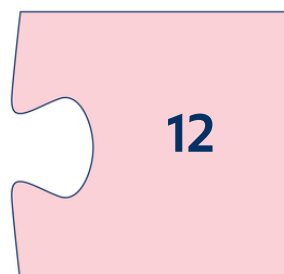
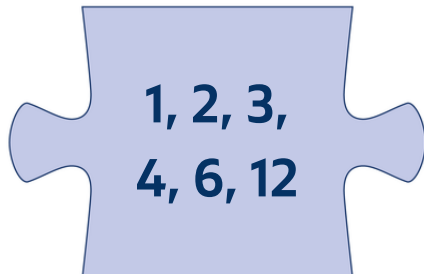
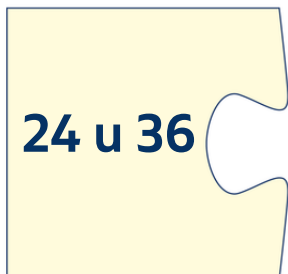
Отговор: _____

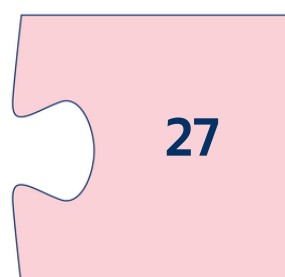
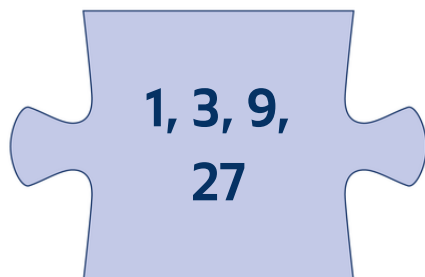
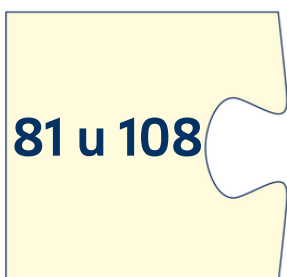
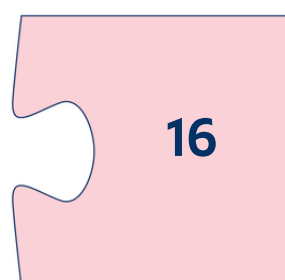
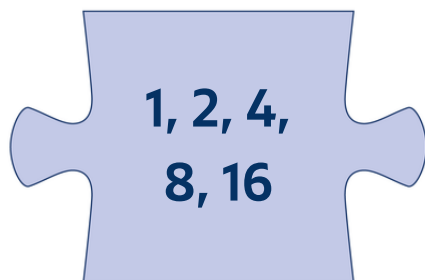
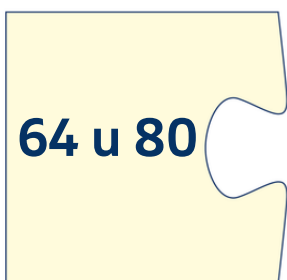
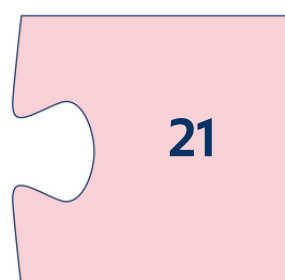
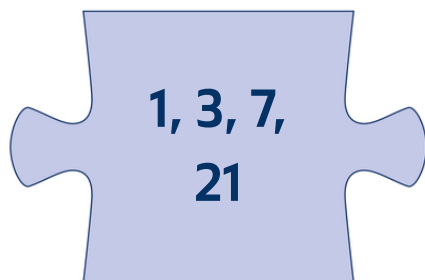
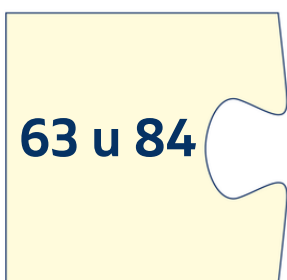
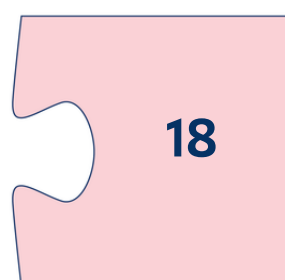
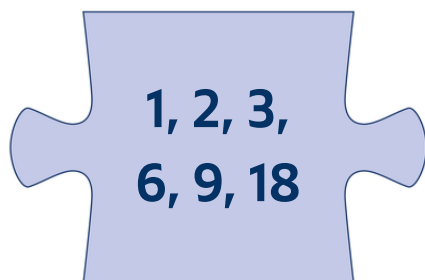
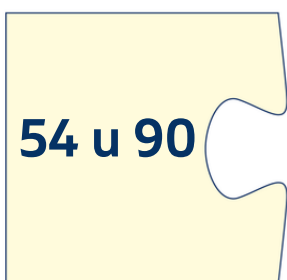
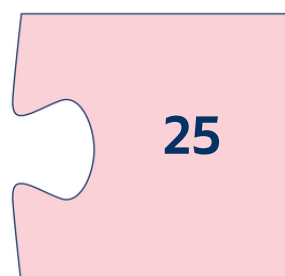
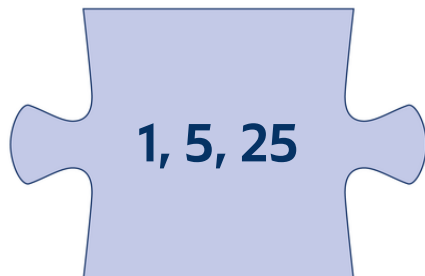
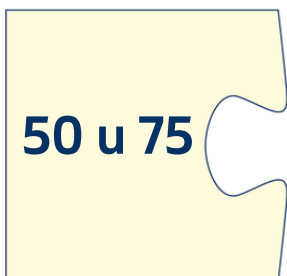
ПЪЗЕЛ КАРТИ

КАРТИ С ДВОЙКИ ЧИСЛА

КАРТИ С ОБЩИ ДЕЛИТЕЛИ

КАРТИ С НОД



КАРТИ С ДВОЙКИ
ЧИСЛАКАРТИ С ОБЩИ
ДЕЛИТЕЛИКАРТИ С
НОД



ПРИЛОЖЕНИЕ 3

Математика

5 клас



КАРТОНЧЕТА ЗА ИГРАТА „ЖИВАТА ДИАГРАМА НА НОД“



1	2	3	4	5	6	8
9	10	12	15	18	20	30
45	60	90	7	11	13	14
16	21	22	25	27	40	50



ПРИЛОЖЕНИЕ 4

Математика

5 клас



КАРТОНЧЕТА ЗА ДЕЙНОСТ „ДВОЙКА ЧИСЛА ЗА ИЗХОД“



14	25	18	35
16	27	21	22
24	35	15	28
20	33	49	64
26	39	17	19
30	49	22	45
32	81	25	42

