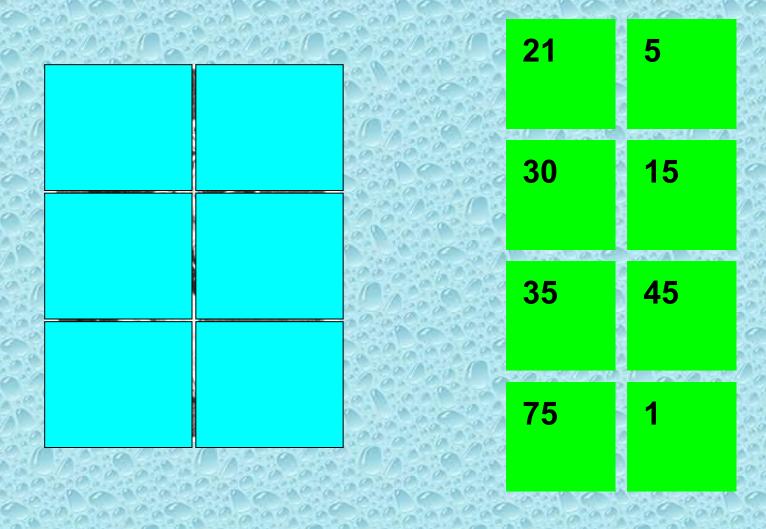
частные случаи сравнения обыкновенных дробей

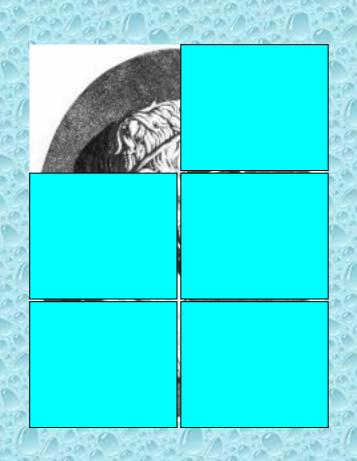
Гимназия 32 г.Иваново Учитель математики Иванова А.С.

Найдите наименьшее общее кратное следующих чисел, и откройте портрет великого математика.

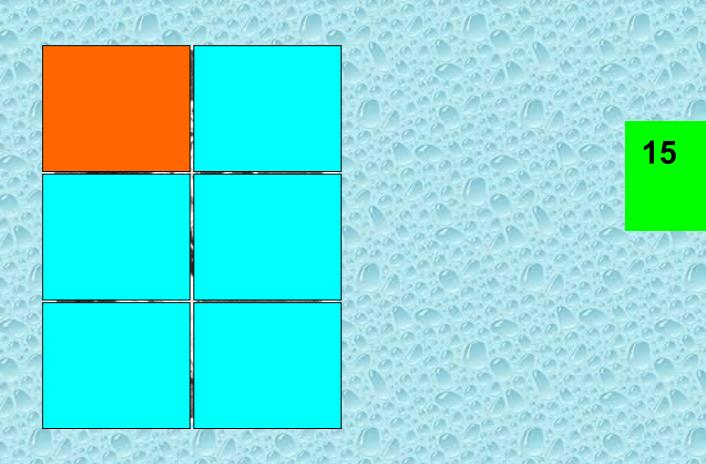
HOK (15; 5)?



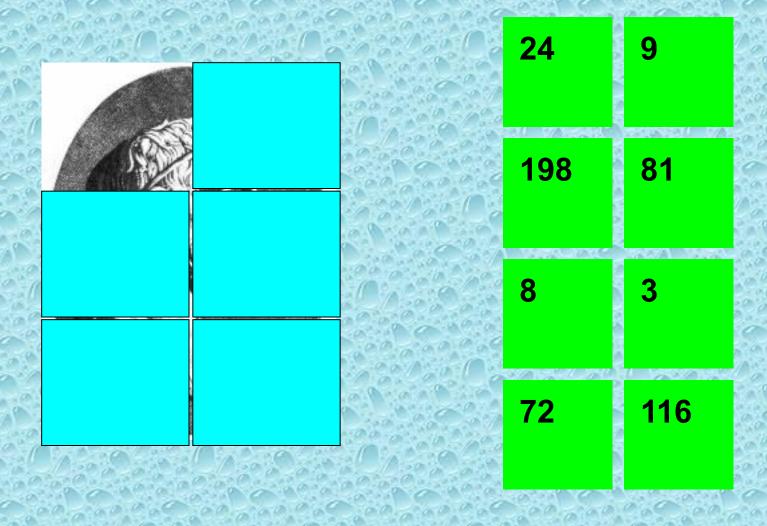
ПРАВИЛЬНО!!!



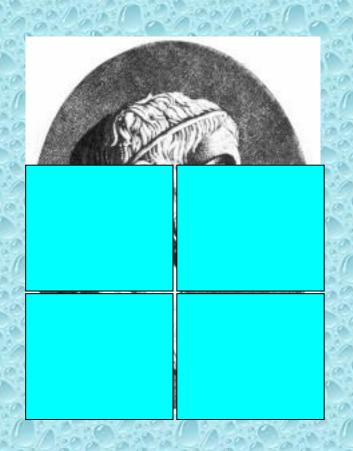
HEBEPHO!!!



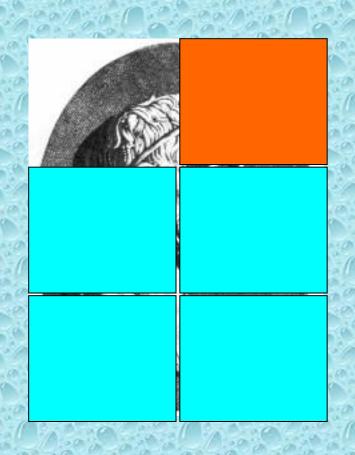
HOK (8; 9)?



BEPHO!!!

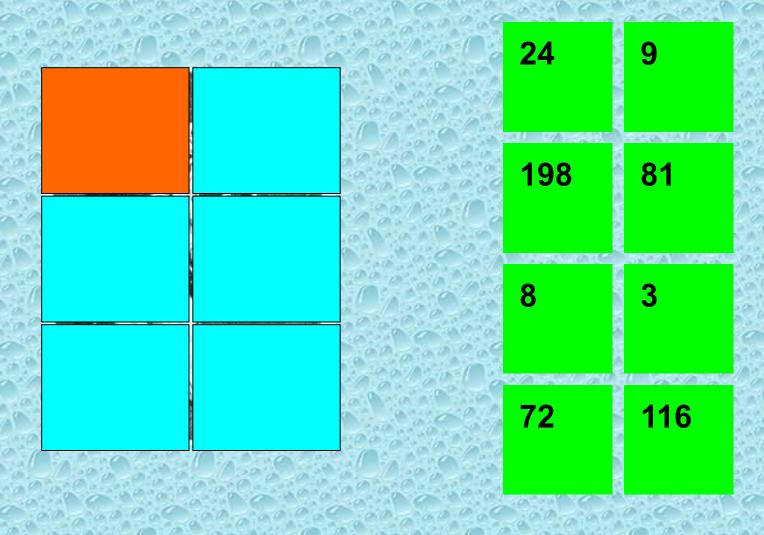


НЕТ, НЕПРАВИЛЬНО!

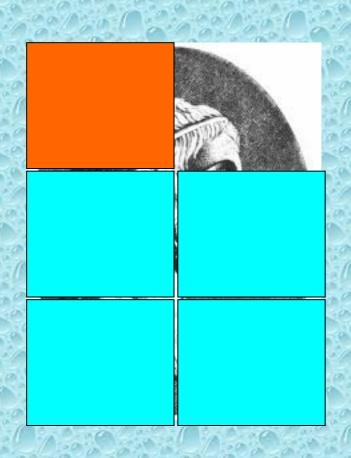




HOK (8; 9)??

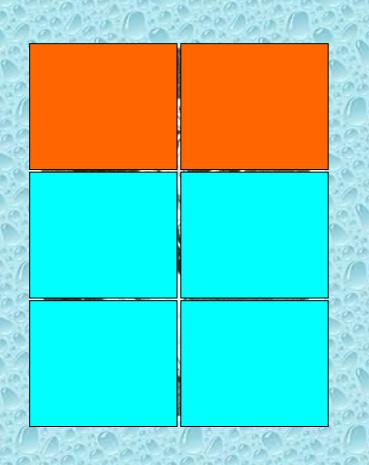


на этот раз точно.



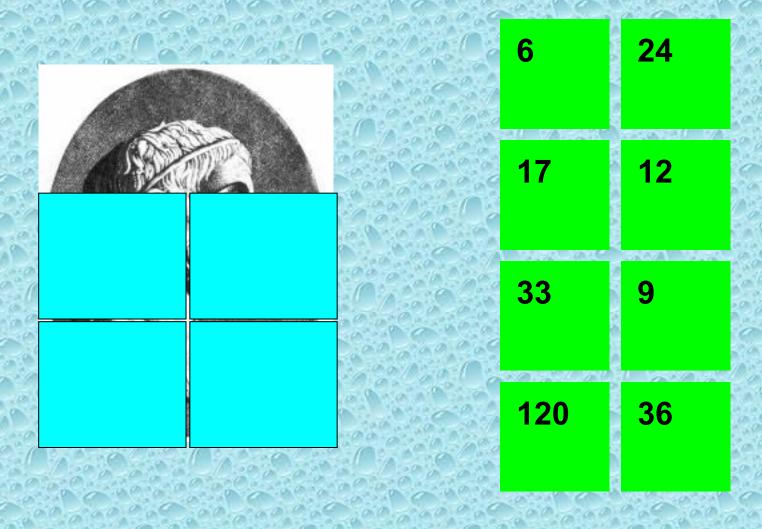


И CHOBA - HET!

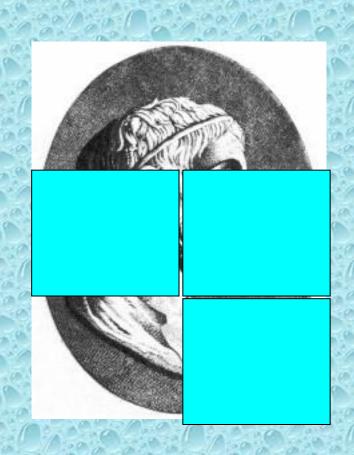




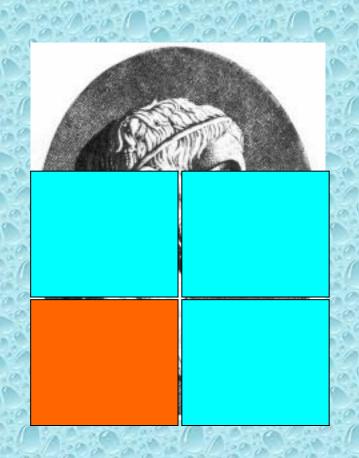
HOK (6; 12)?



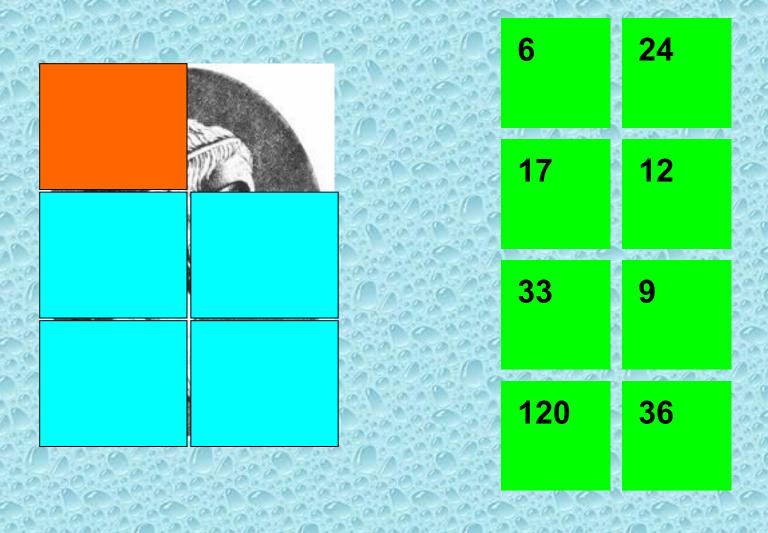
АБСОЛЮТНО ВЕРНО!!!



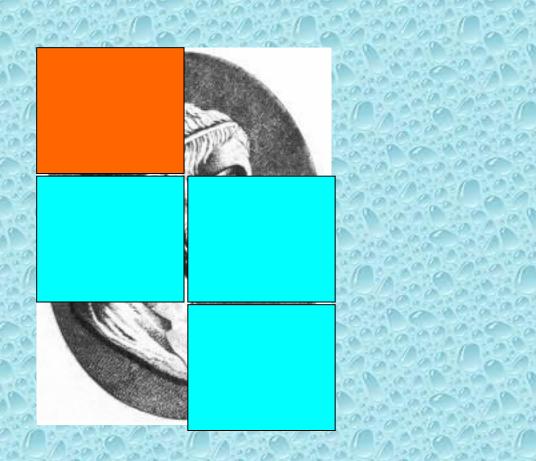
ДА НЕТ ЖЕ – 12!



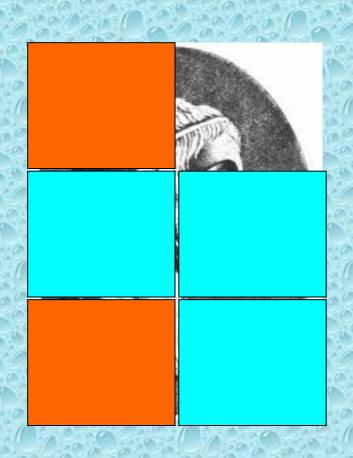
HOK (6; 12)??



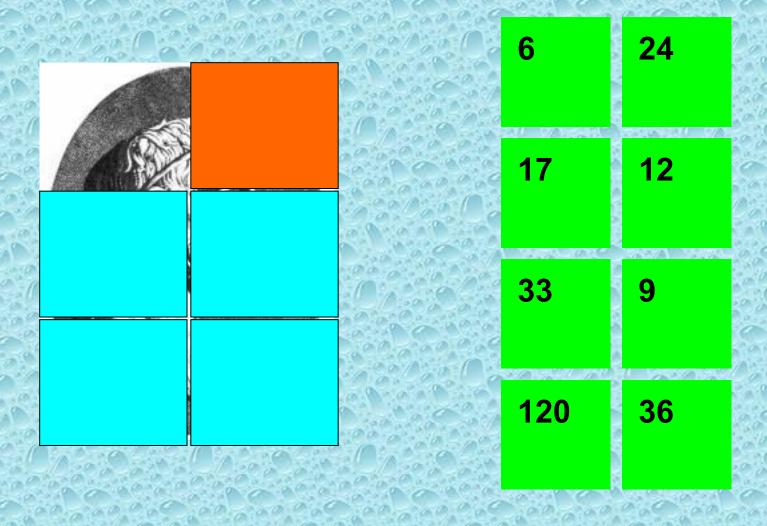
В ТОЧКУ!



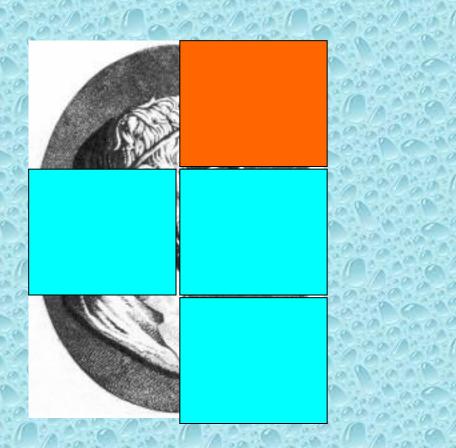
ОПЯТЬ ОШИБКА!



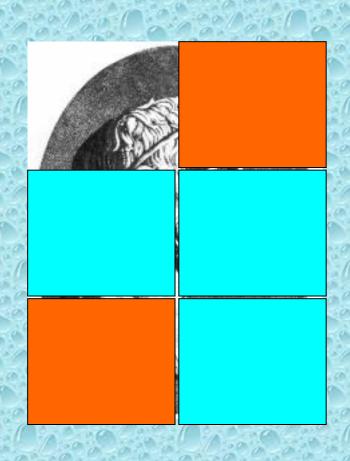
HOK (6; 12)???



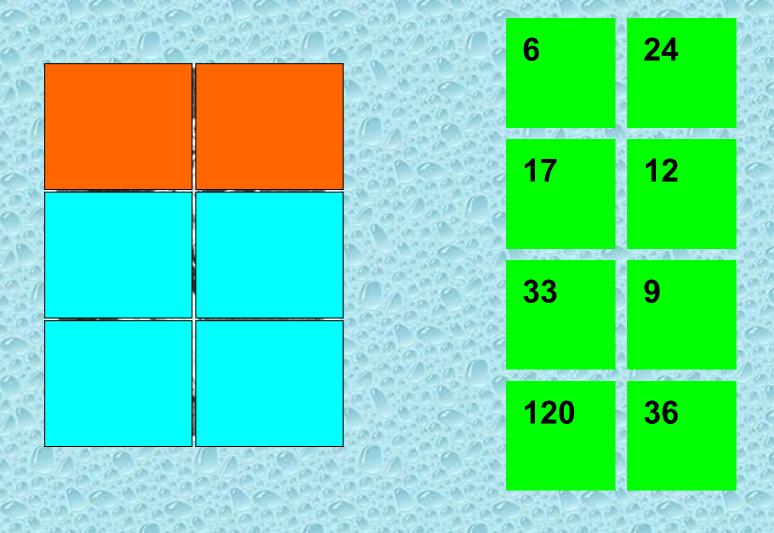
12!



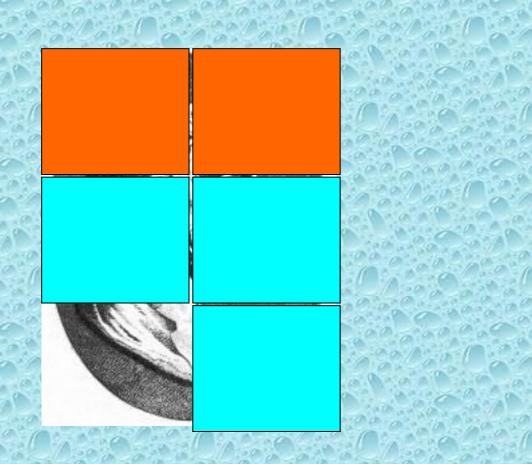
ДУМАЙТЕ КАК СЛЕДУЕТ!



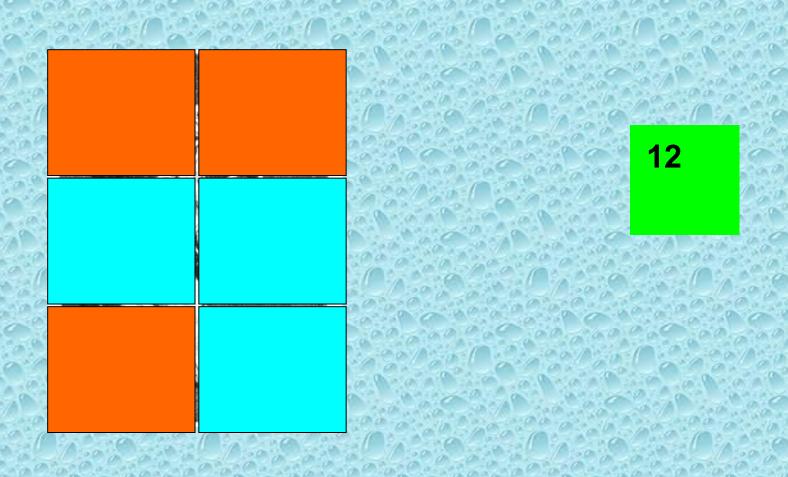
HOK (6; 12)????



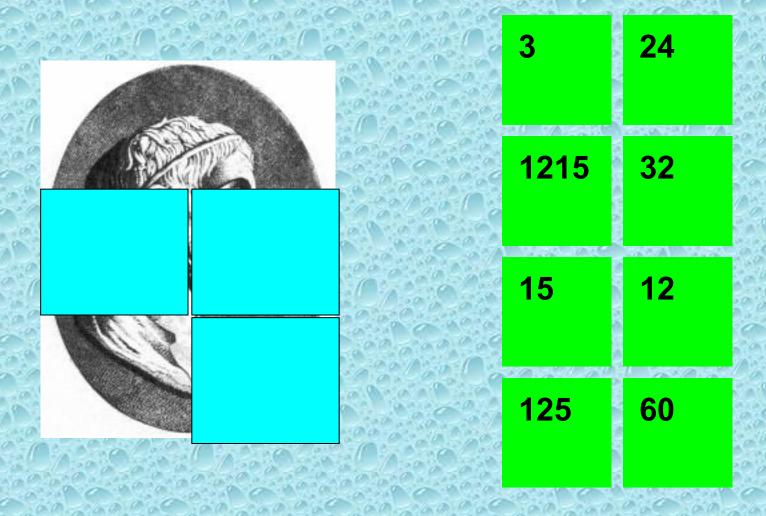
НАКОНЕЦ-ТО!



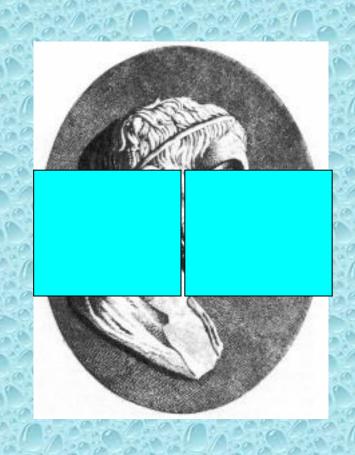
ДА ЧТО С ВАМИ?



HOK (12; 15)?

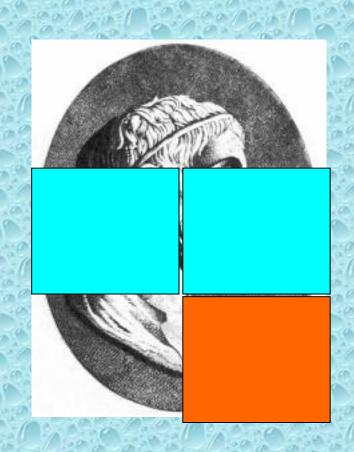


СКОРО ОТКРОЕТЕ ПОРТРЕТ!

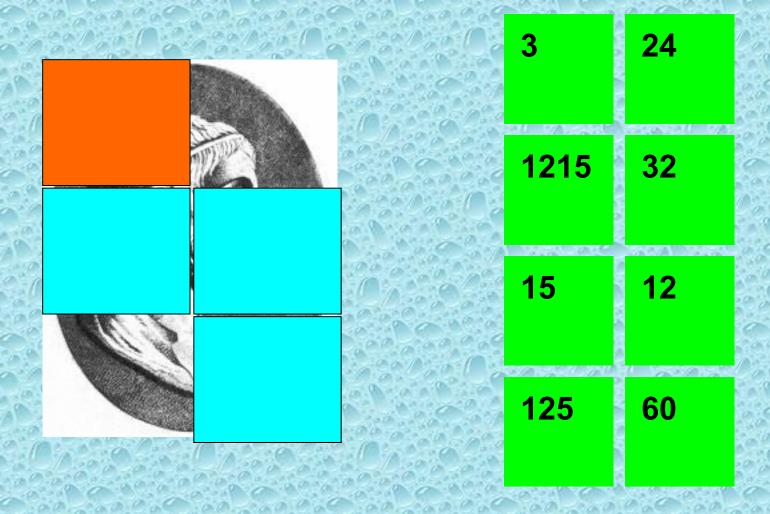




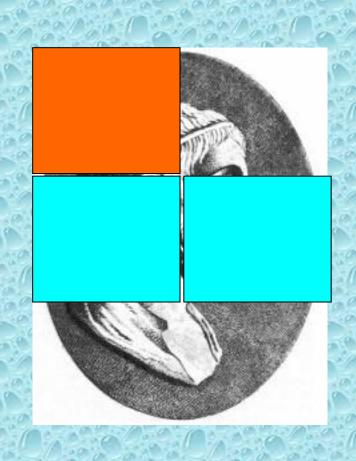
БЫВАЕТ!



HOK (12; 15)??

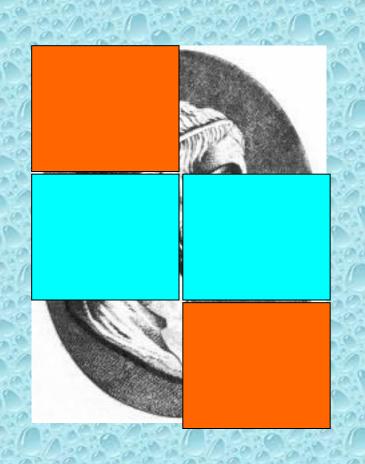


НЕПЛОХО СЧИТАЕТЕ!



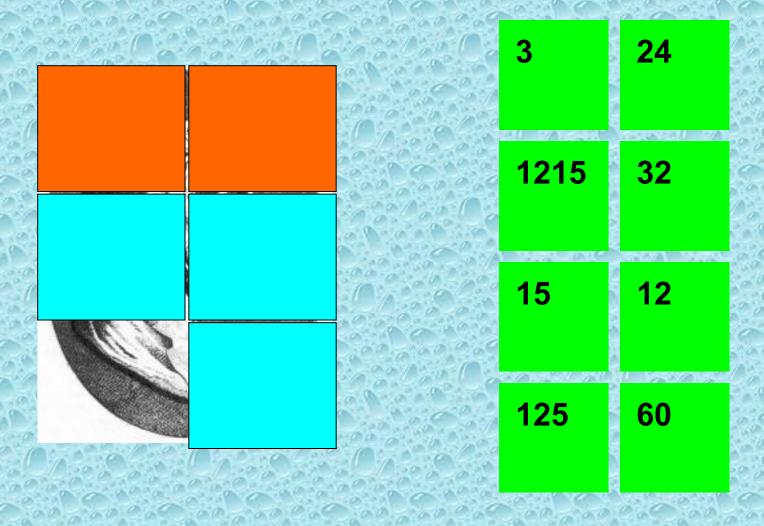


НУ ВОТ, ОПЯТЬ!

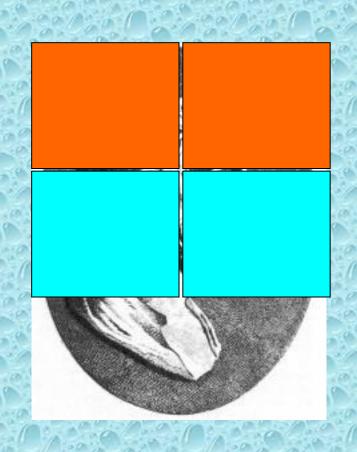




HOK (12; 15)???

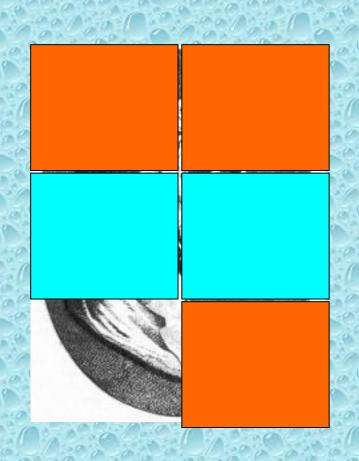


ЧТО-ТО МЫ УВИДИМ!



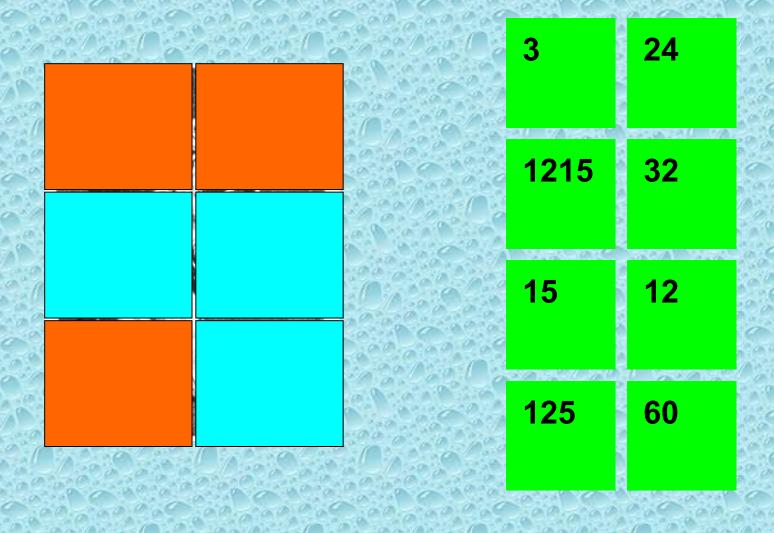


БЕЗ КОММЕНТАРИЕВ!

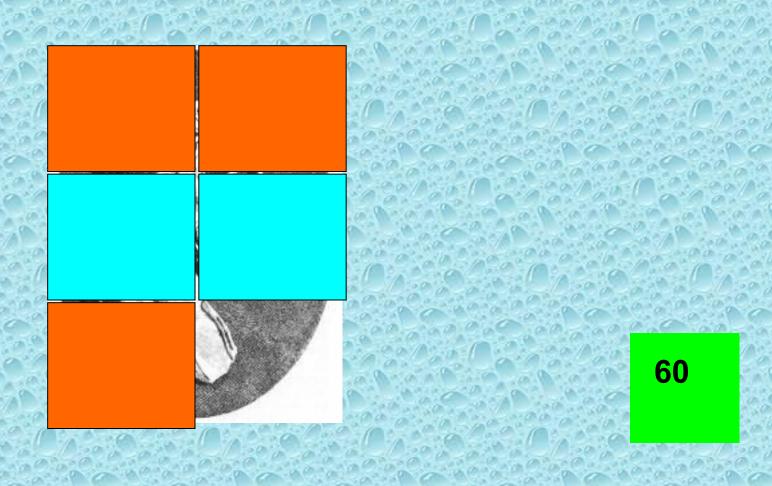




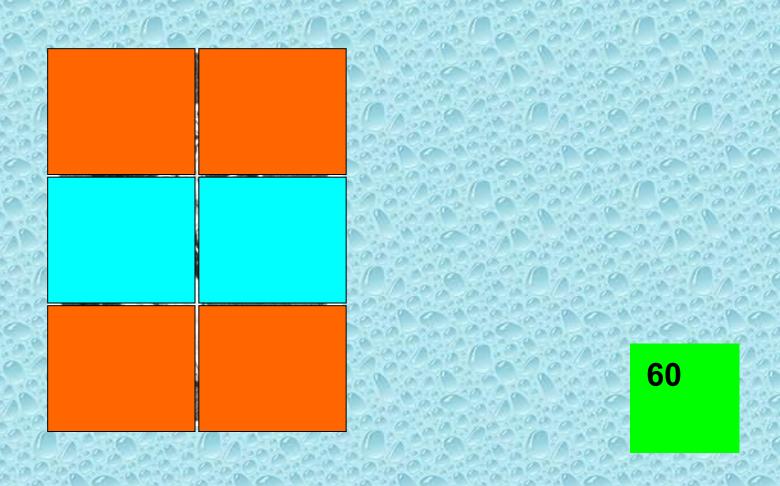
HOK (12; 15)????



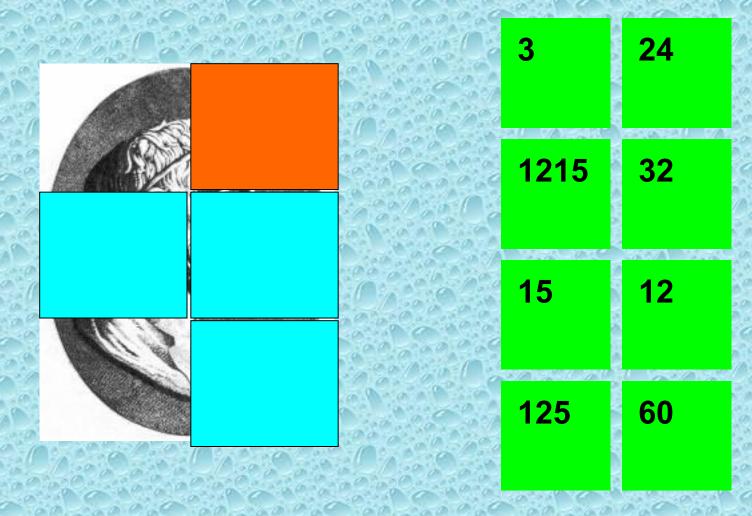
УРА, СВЕРШИЛОСЬ!



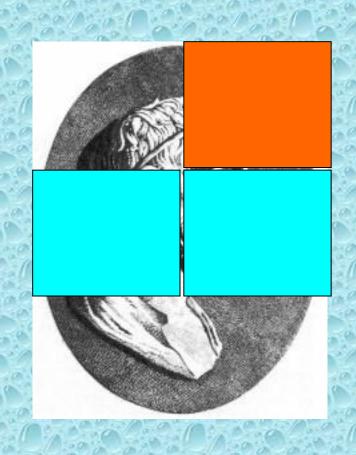
HET, HET II HET!!!



HOK (12; 15)?????

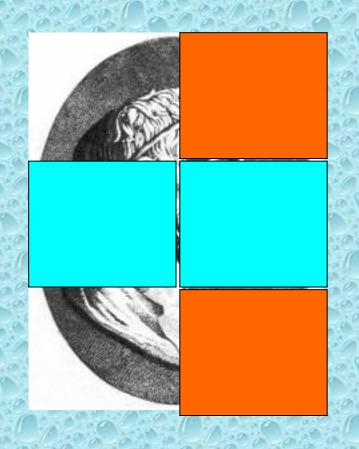


И СНОВА ВЕРНО!



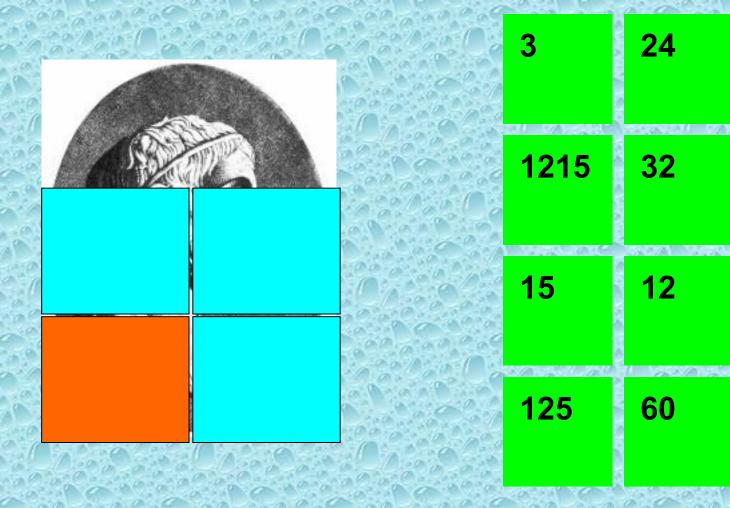


ОЙ!

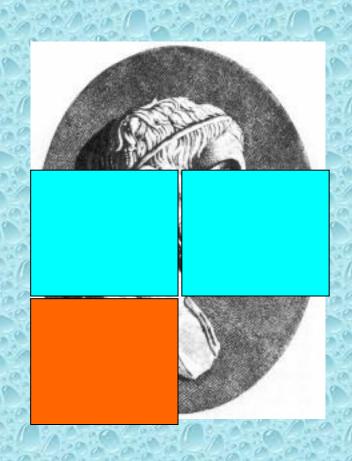




HOK (12; 15) ??????

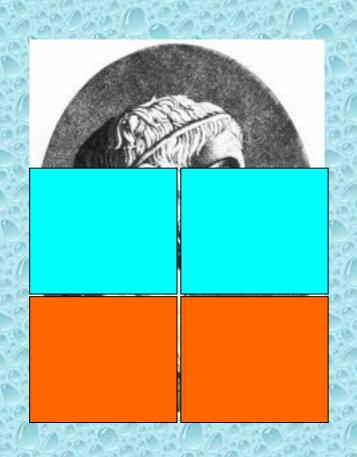


ЗАБУДЬТЕ ПРО ОШИБКУ!



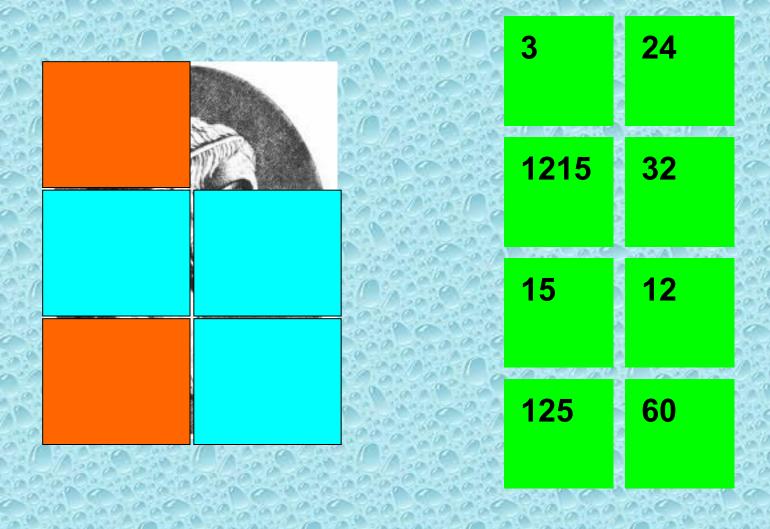


ЧЕРНАЯ ПОЛОСА!

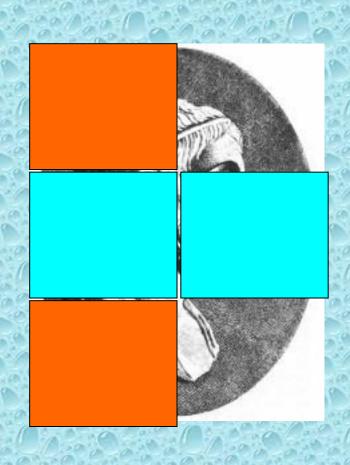




HOK (12; 15).

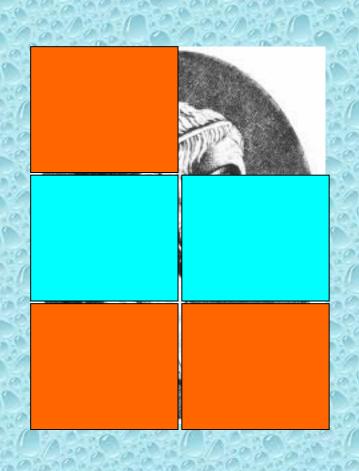


МОЖЕМ УВИДЕТЬ ПРОФИЛЬ!



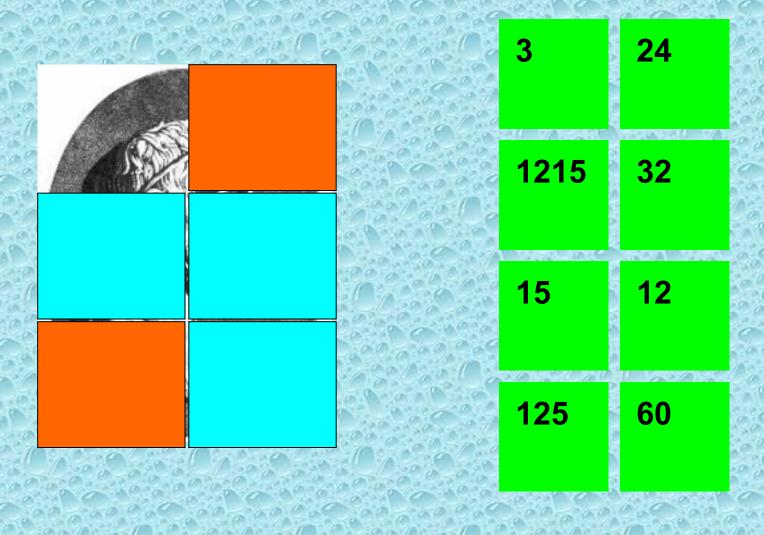


СТАНОВИТСЯ ГРУСТНО!

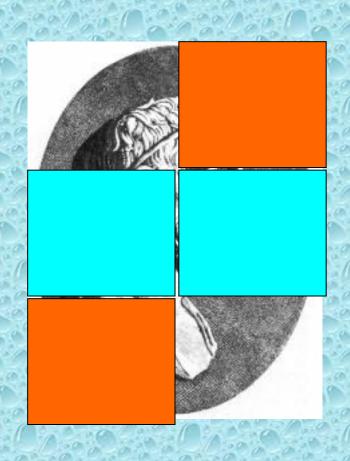




НОК (12; 15) ...

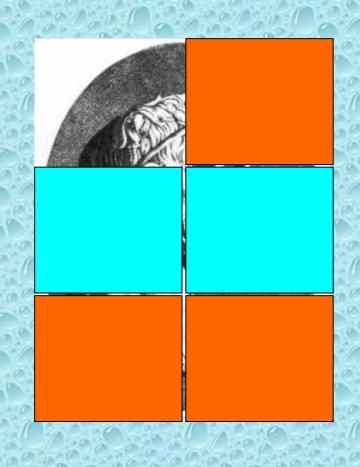


ШАНСЫ ЕЩЕ ЕСТЬ!



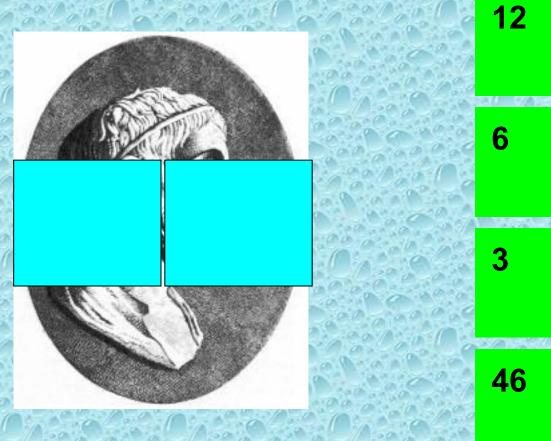


плохо, совсем плохо!



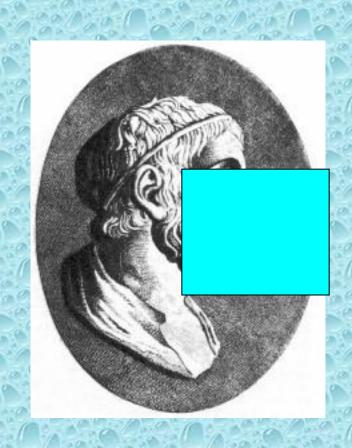


HOK (6; 4)?

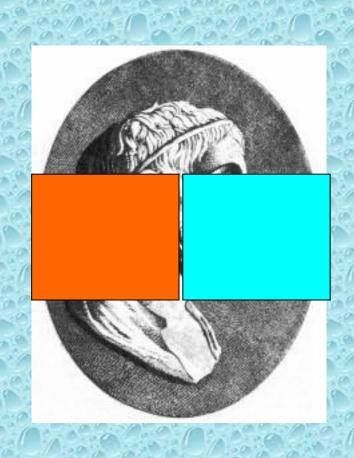


12	24
6	2
3	64
46	67

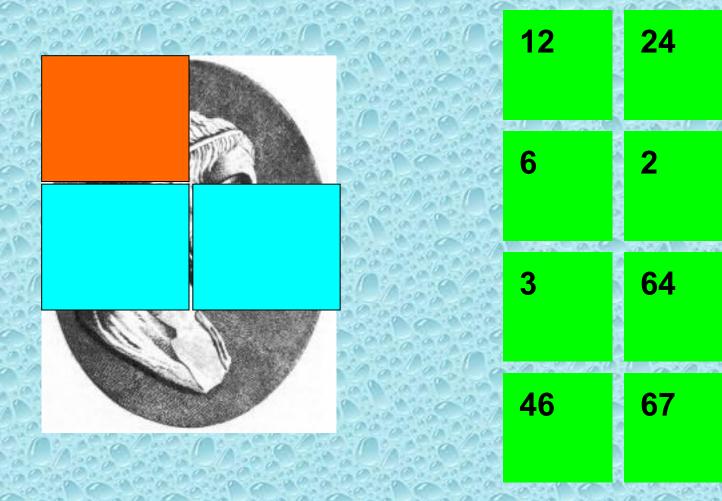
ЗАМЕЧАТЕЛЬНО!



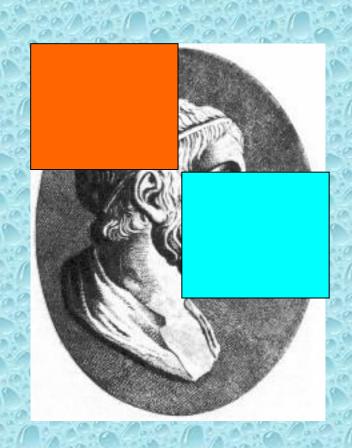
НЕОЖИДАННОСТЬ!



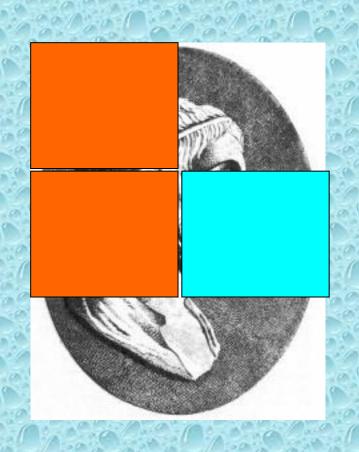
HOK (6; 4)??



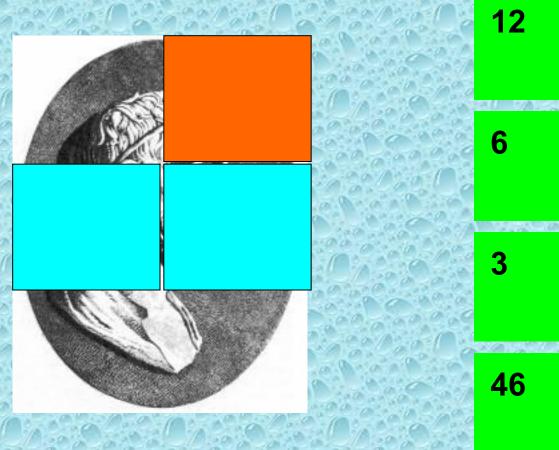
АППЛОДИСМЕНТЫ!

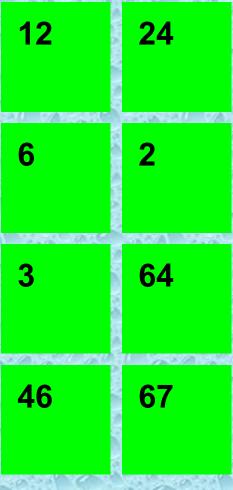


ОБИДНО!

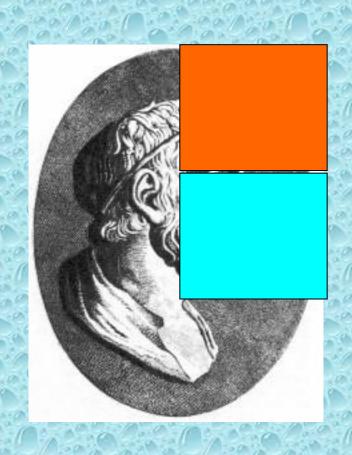


HOK (6; 4)???

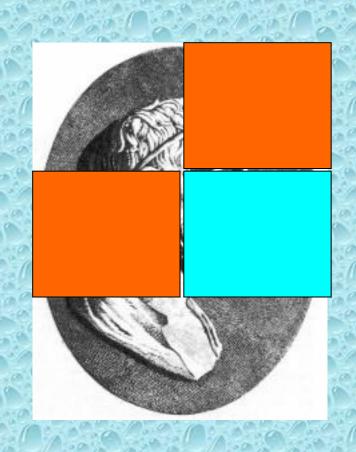




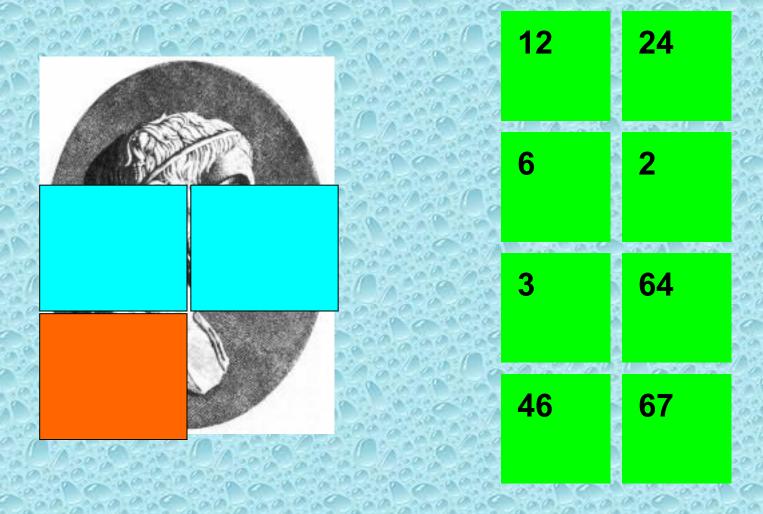
ОСТАЛОСЬ 1 ЗАДАНИЕ!



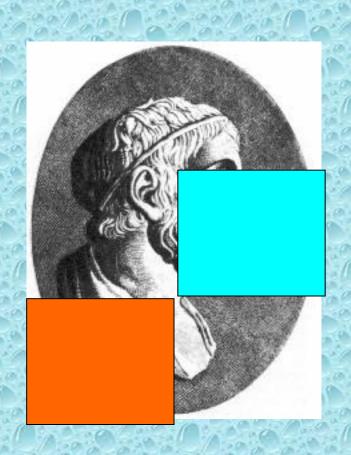
БУДЬТЕ ВНИМАТЕЛЬНЕЕ!



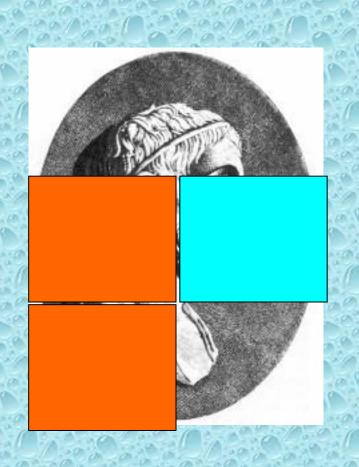
HOK (6; 4)????



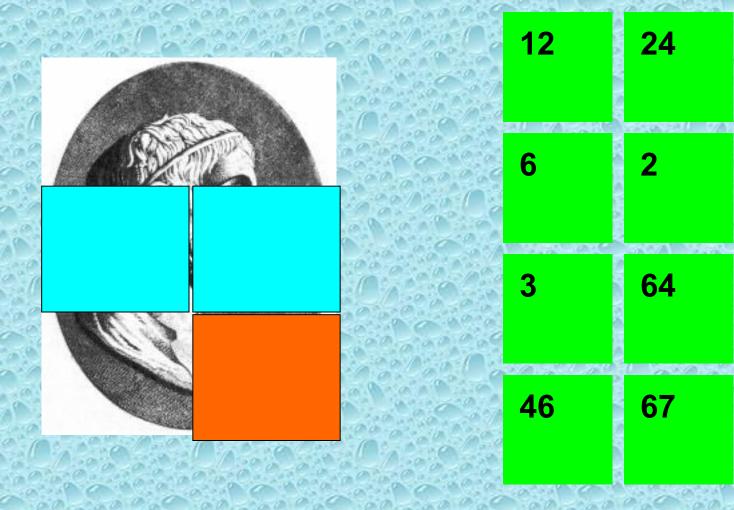
БРАВО!



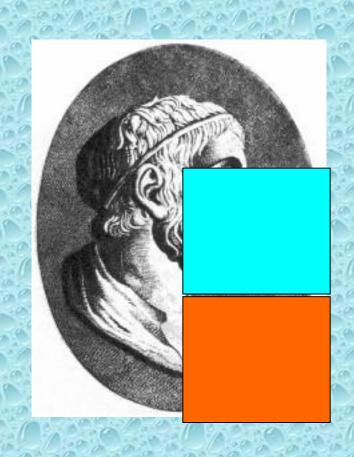
ЭХ, НЕ ПОВЕЗЛО!



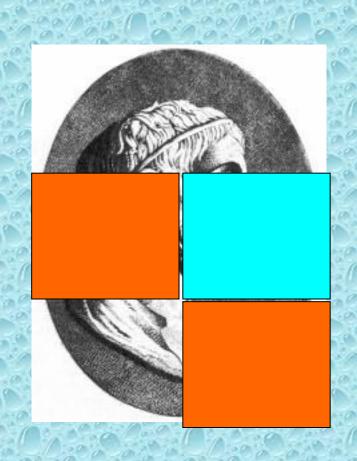
HOK (6; 4)?????



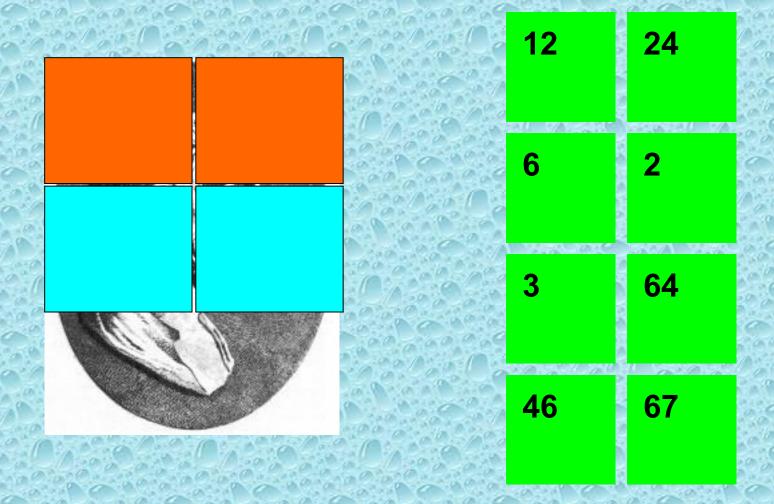
НЕЛЬЗЯ НЕ СОГЛАСИТЬСЯ!



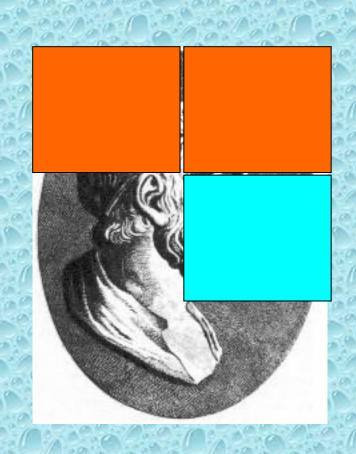
ПОЛОСА НЕВЕЗЕНИЯ?!



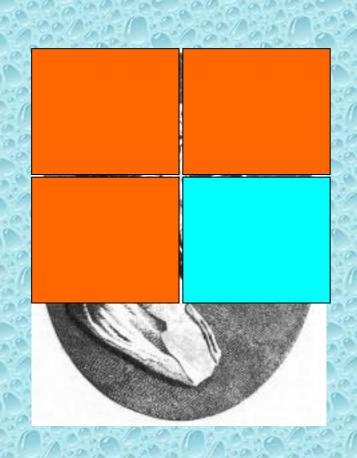
HOK (6; 4).



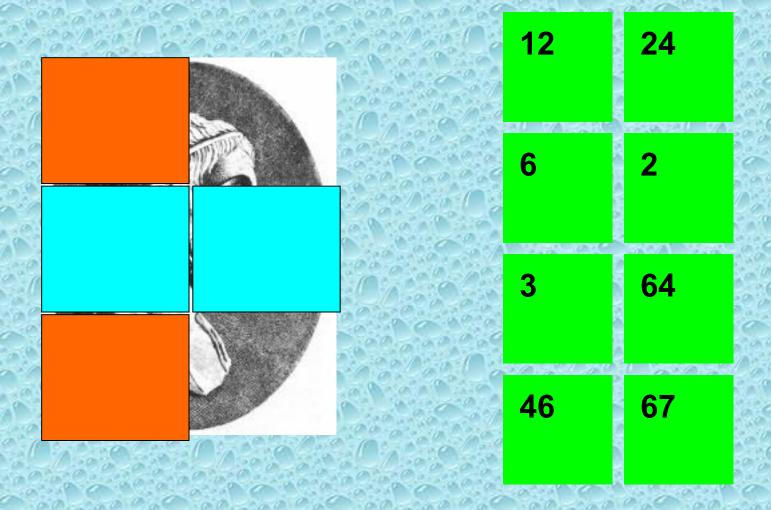
В ЦЕЛЬ, ОТЛИЧНО!



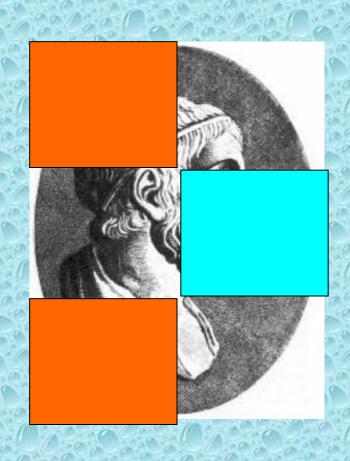
А ЕСЛИ ПОДУМАТЬ!



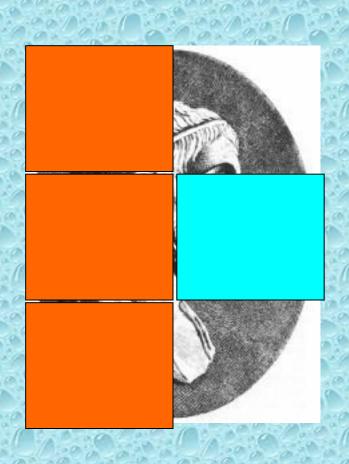
НОК (6; 4) ...



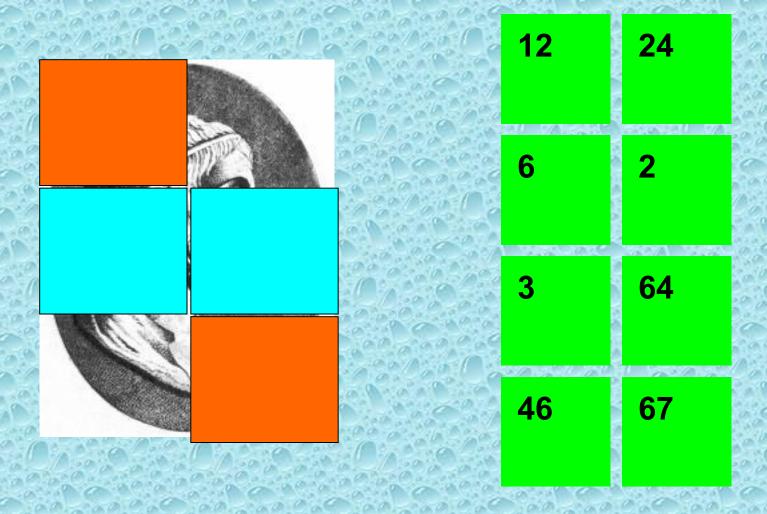
У ВАС ЕЩЕ ЕСТЬ ШАНСЫ!



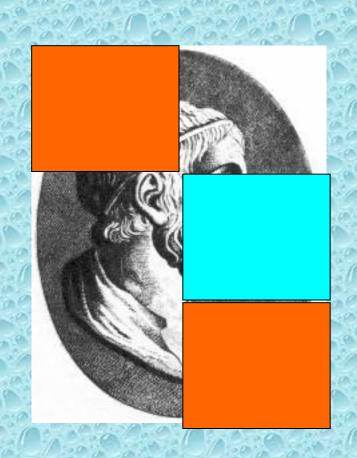
ОЧЕРЕДНАЯ ОШИБКА!



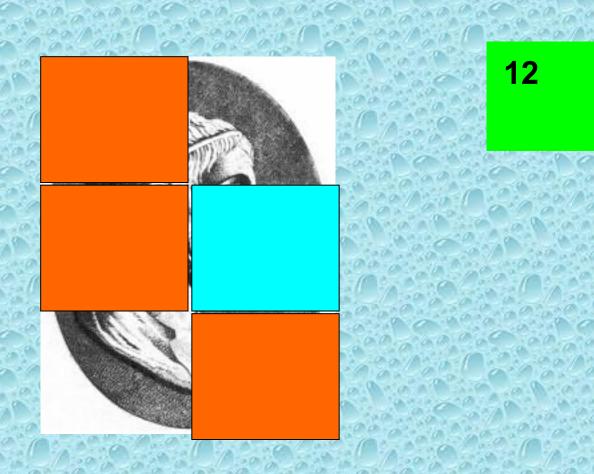
НОК (6; 4) ...



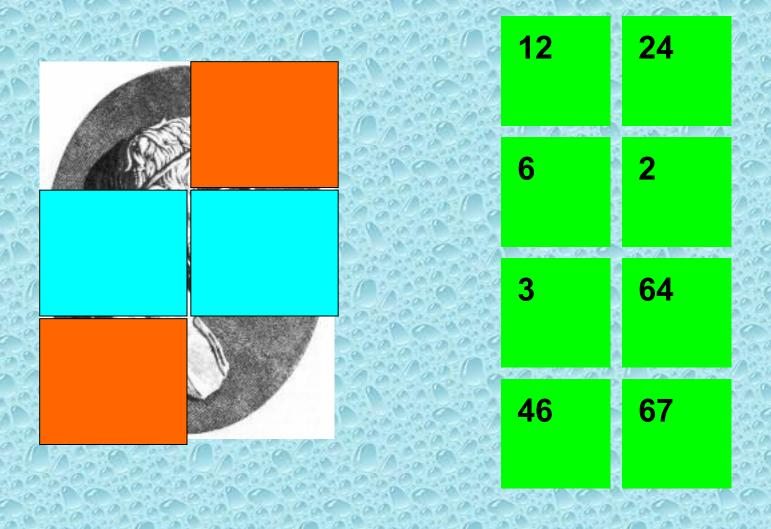
почти...



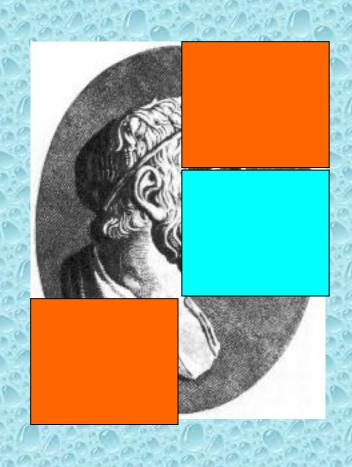
НЕТ СЛОВ...



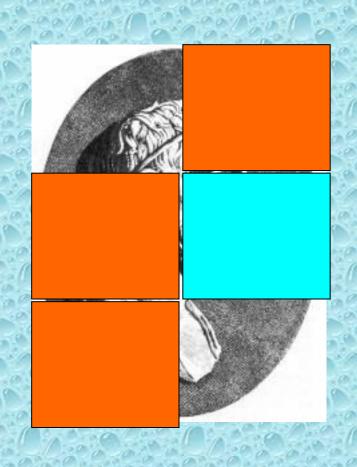
HOK (6; 4)?.?



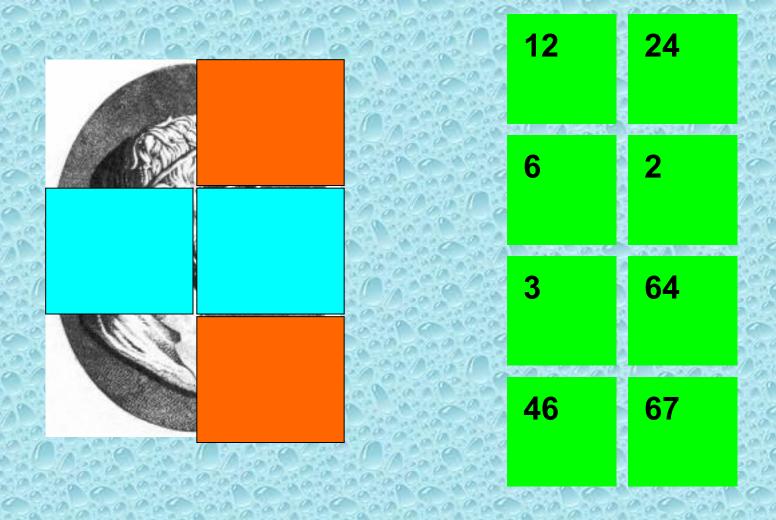
СКОРО ОТКРОЕМ КАРТИНКУ



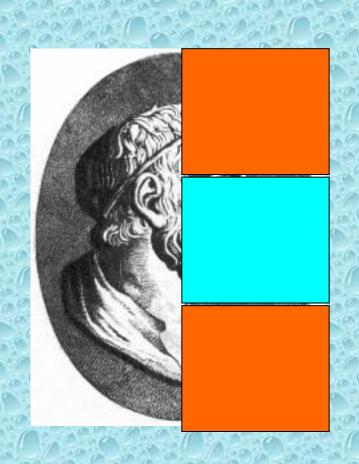
и как вы готовились?



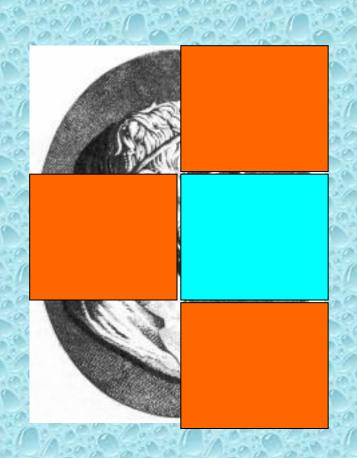
НОК (6; 4)?.?.



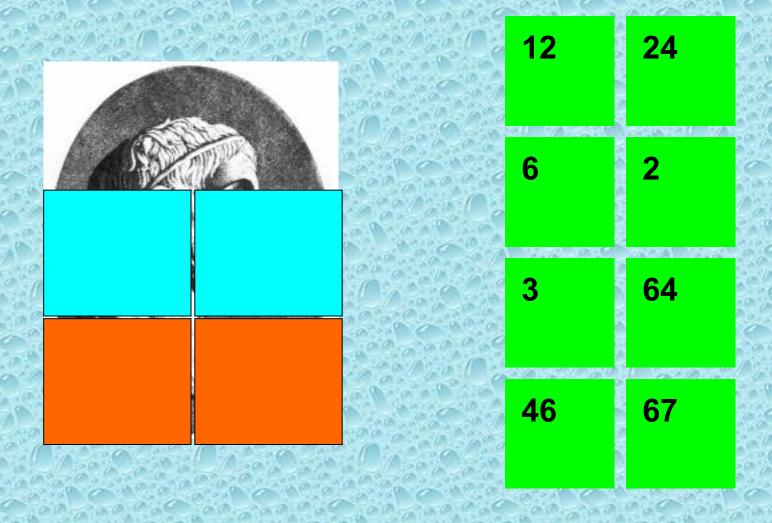
BEPHO.



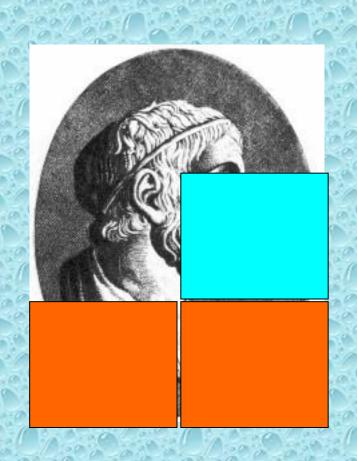
ОЧЕРЕДНАЯ ОШИБКА.



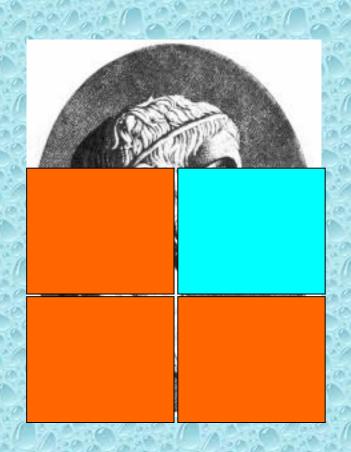
HOK (6; 4)?.?.!



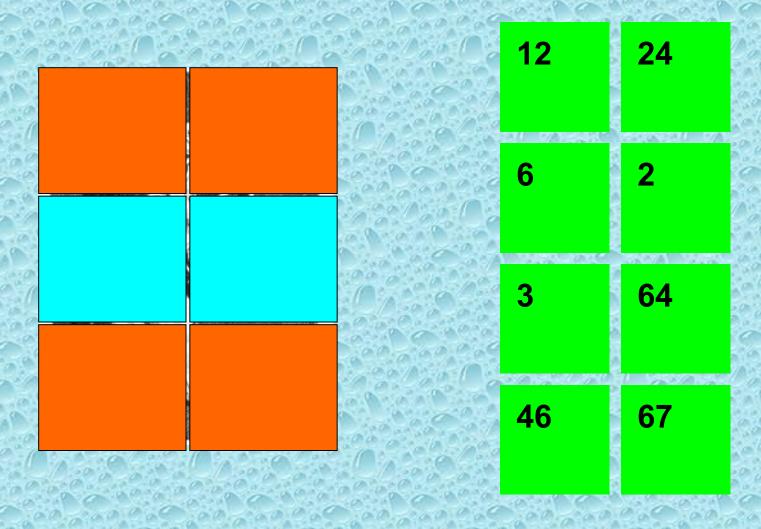
согласимся.



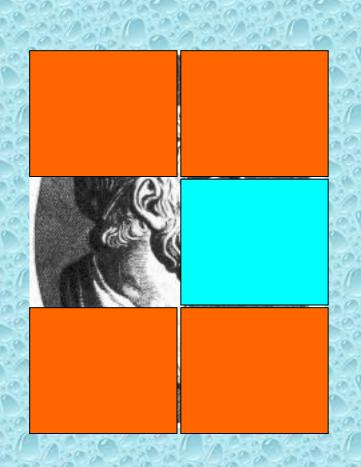
СТЫДНО...



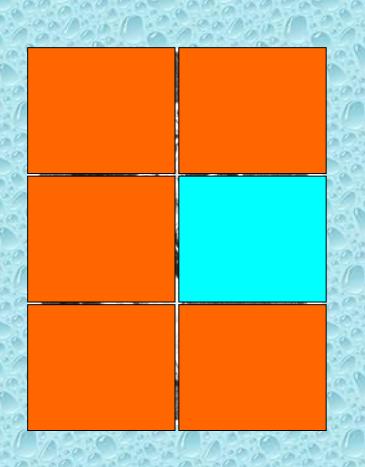
HOK (6; 4)



НАКОНЕЦ-ТО.

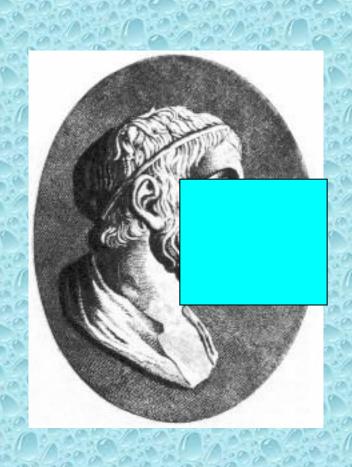


ДАЛЬШЕ СМЫСЛА НЕТ...





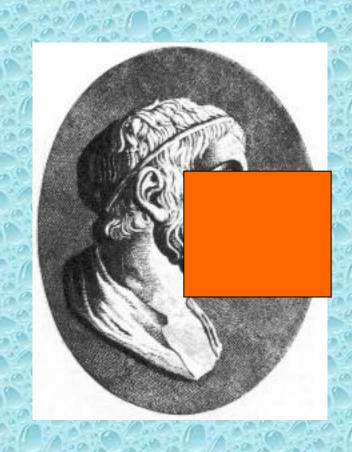
HOK (12; 9)?



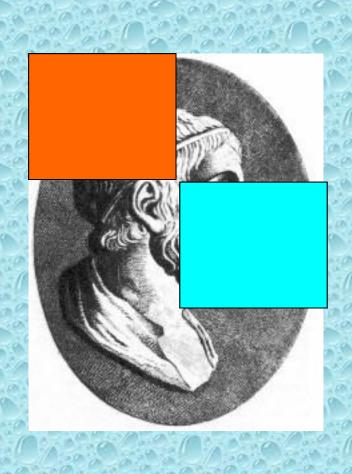
молодцы!!!



НУ ВОТ! ТЕПЕРЬ ГАДАЙТЕ.



HOK (12; 9)??

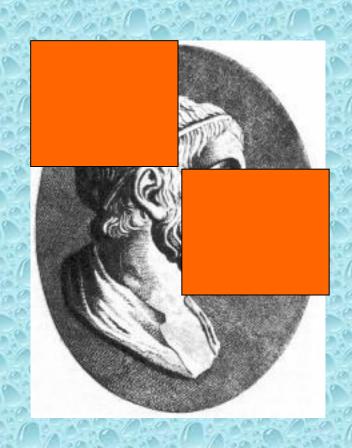


55

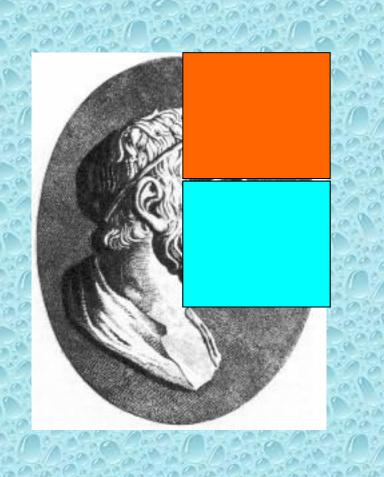
НУ И КТО ЭТО?



догадались?

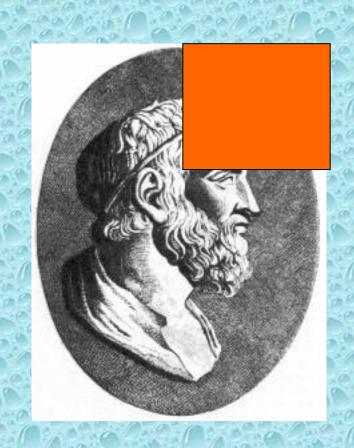


HOK (12; 9)???

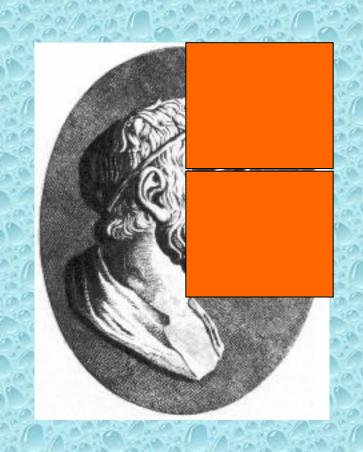


12	9
3	276
36	63
24	55

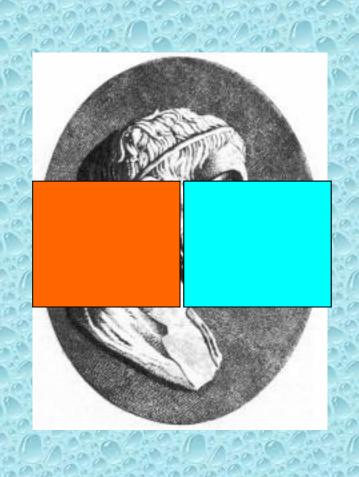
УЗНАЛИ?



????????

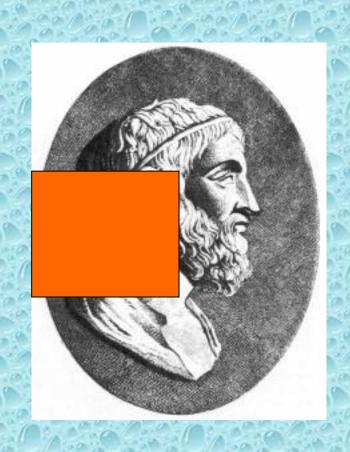


HOK (12; 9)????

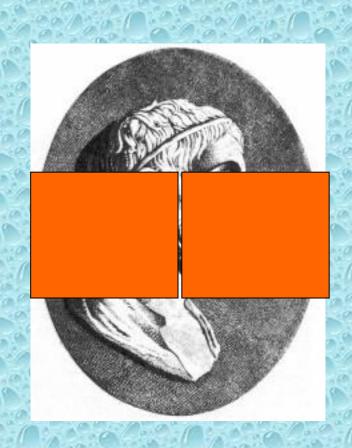


12	9
3	276
The second second	-0.00
36	63

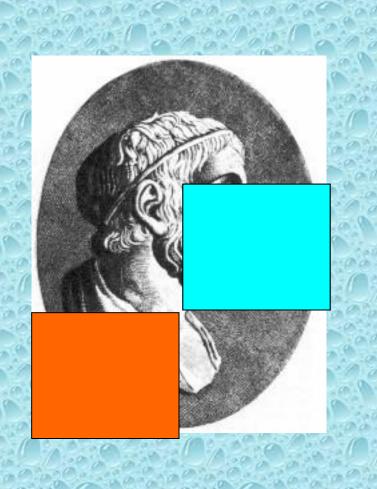
итак, кто это?



обидно?



HOK (12; 9)?????

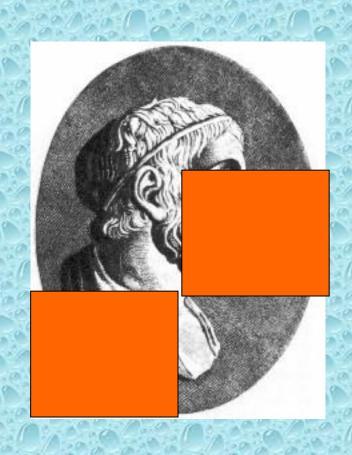


12	9
3	276
36	63

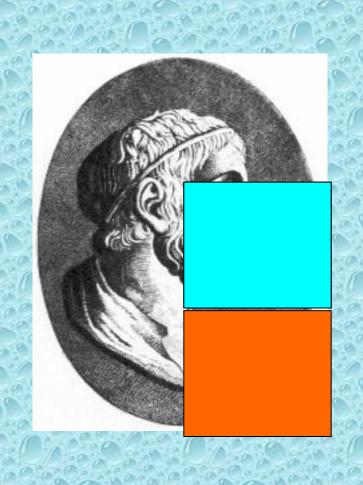
ЧТО Ж, НЕПЛОХО?



ПРАВДА, ОБИДНО?

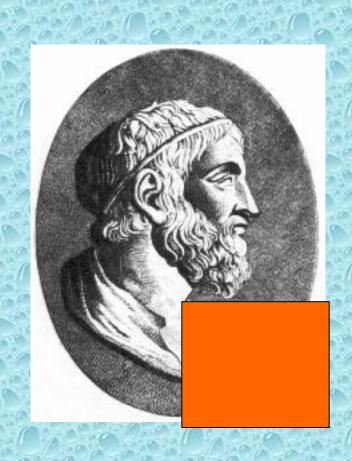


HOK (12; 9)??????

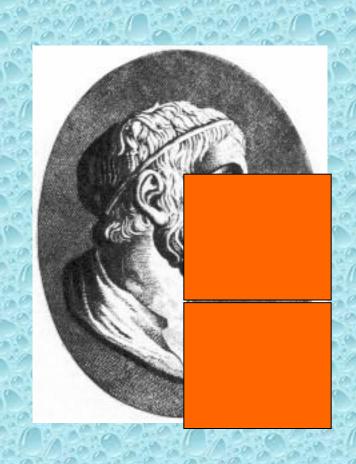


	8
12	9
14	
BU VALS	ALC DESCRIPTION
	070
3	276
	9
4	A SHARE OF THE PARTY OF THE PAR
	-
36	63
36	63
36	63
36	63
36	63
36 24	6355

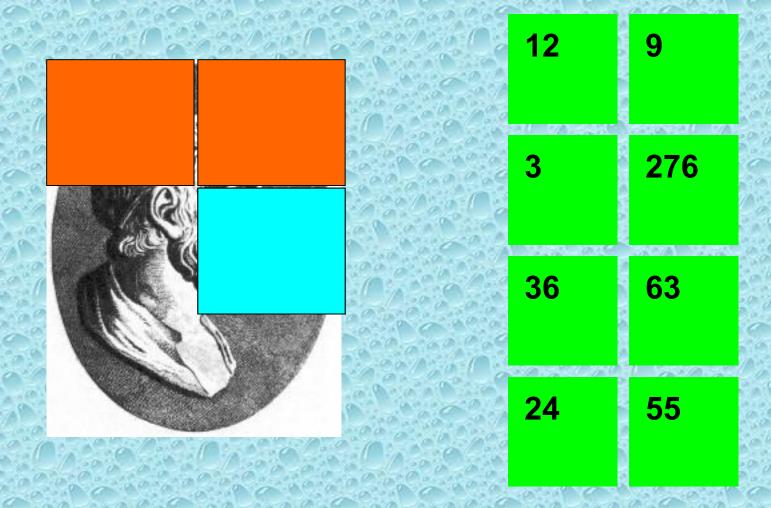
ДУМАЮ, ДОГАДАЛИСЬ?



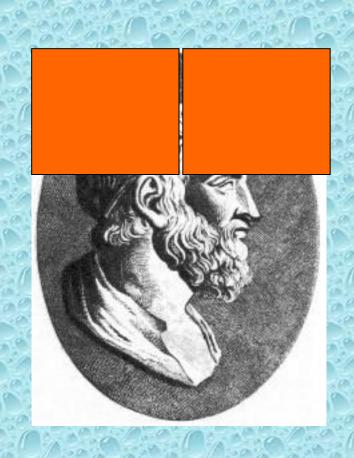
УЗНАТЬ НЕПРОСТО.



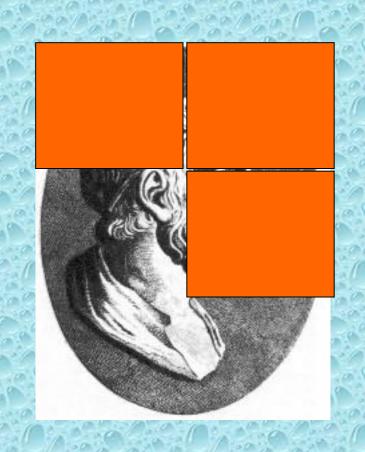
HOK (12; 9).



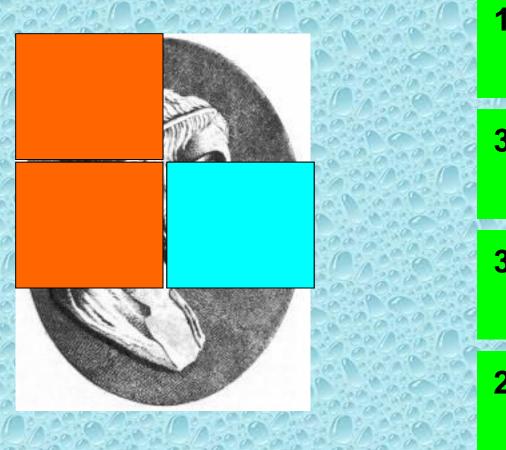
СМОЖЕТЕ УЗНАТЬ?

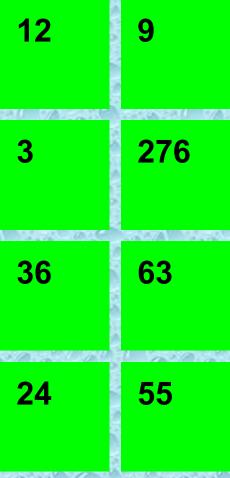


50% УСПЕХА.

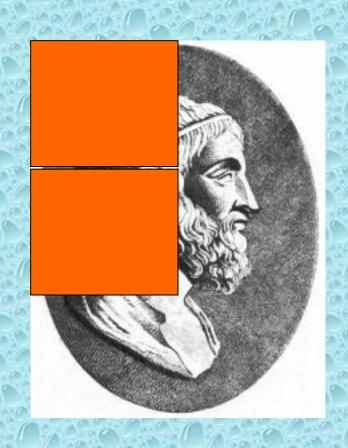


НОК (12; 9)...



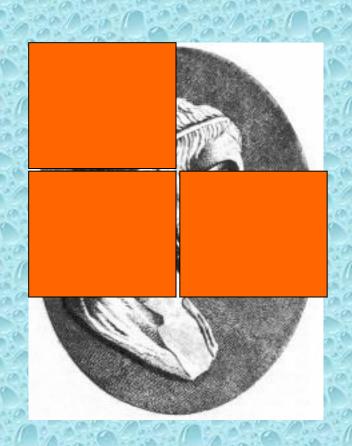


попробуйте узнать?

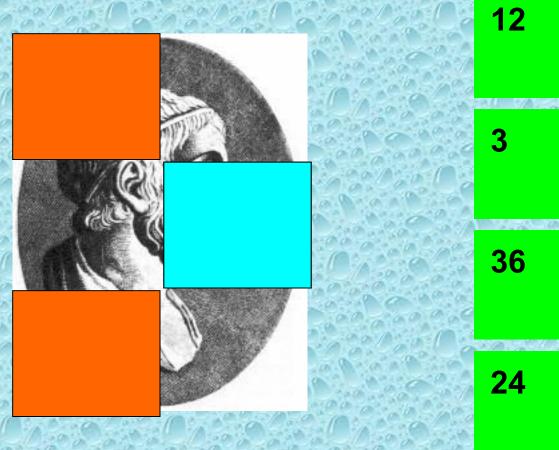




HE AX.



НОК (12; 9) ...

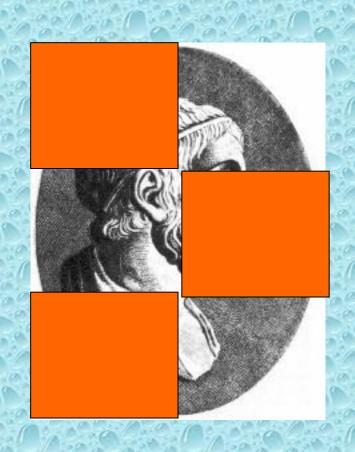


12	9
3	276
36	63

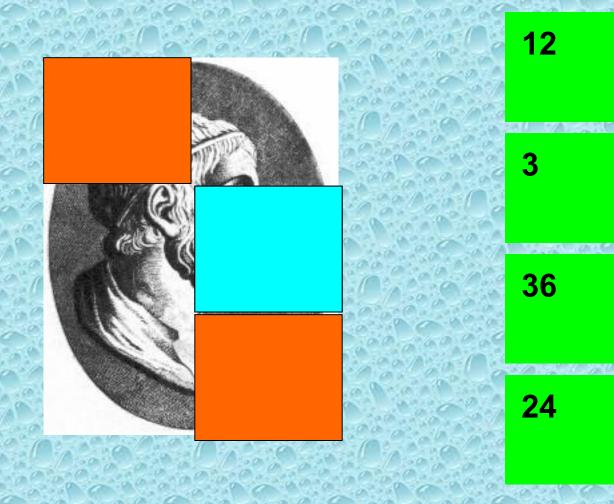
и кто же это?



ГРУСТНО.



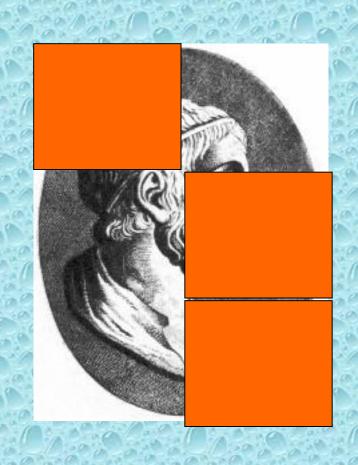
НОК (12; 9)



УЗНАЛИ?

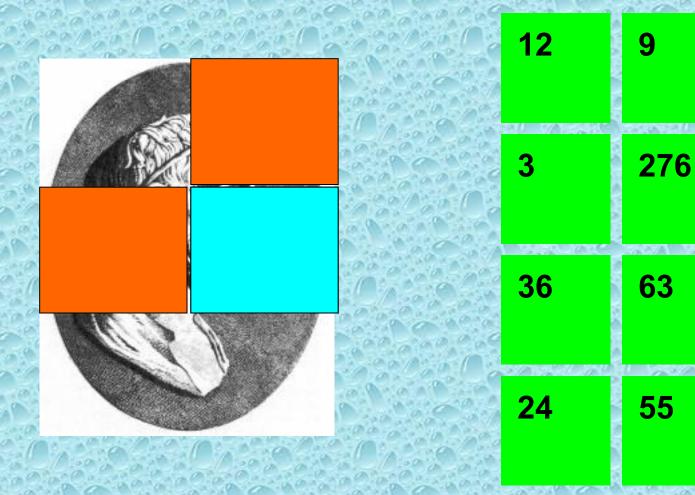


СЛАБЫЙ РЕЗУЛЬТАТ.

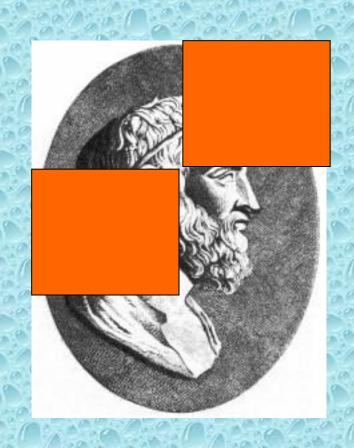




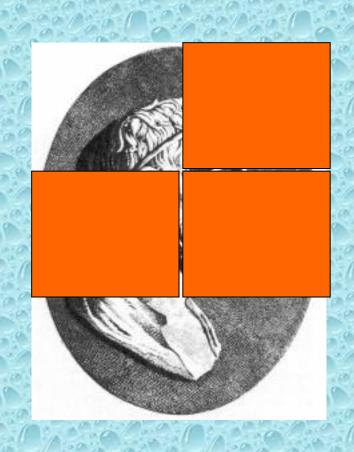
HOK (12; 9)?.



КТО ЭТОТ ЧЕЛОВЕК?

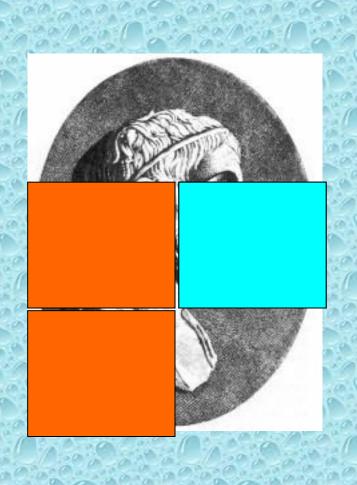


ОЧЕНЬ СЛАБО.



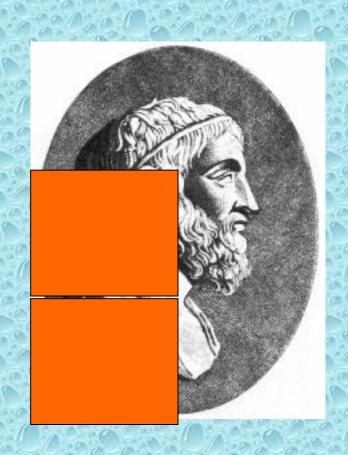


HOK (12; 9)?.?

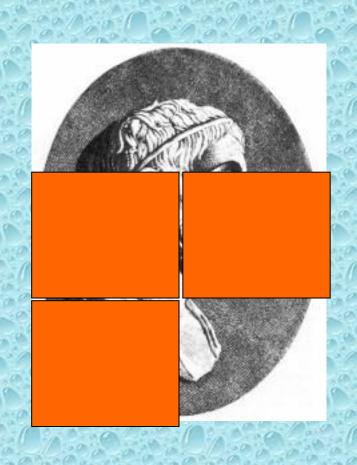


12	9
3	276
	0
36	63

Y3HAËTE?

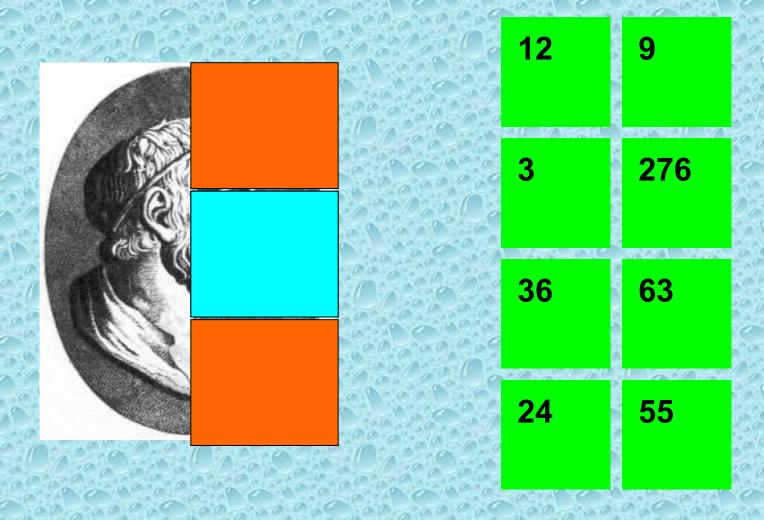


ИТАК, КТО ЖЕ ЭТО?





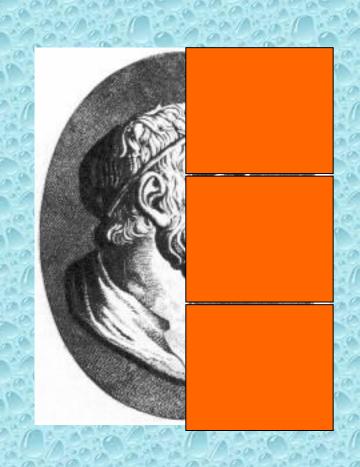
HOK (12; 9)?.?.



можно узнать?

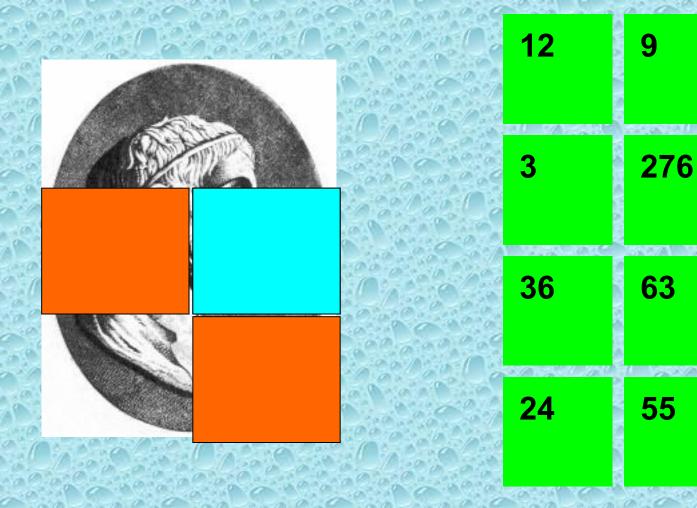


УЗНАТЬ НЕРЕАЛЬНО?

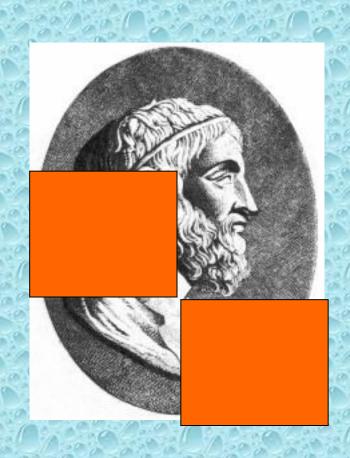


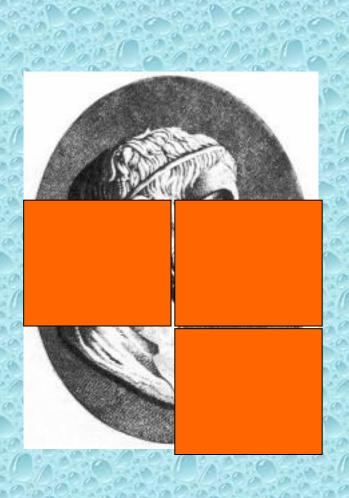


HOK (12; 9)?.?.?

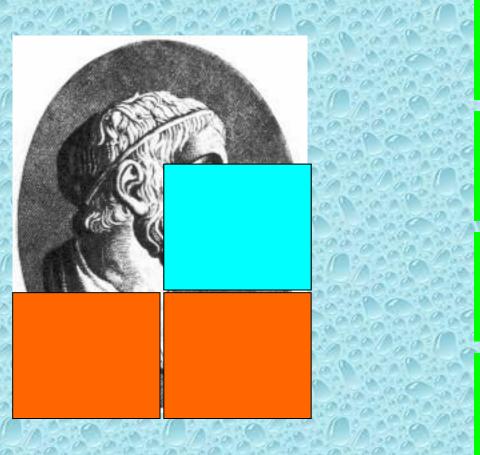


ПОПРОБУЙТЕ УЗНАТЬ.



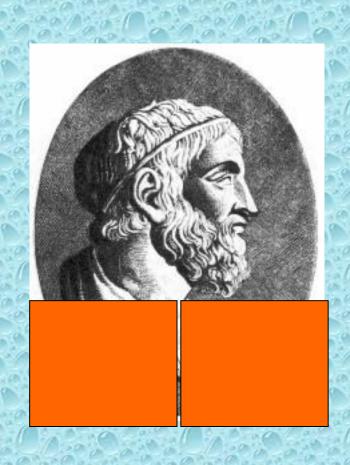


HOK (12; 9)



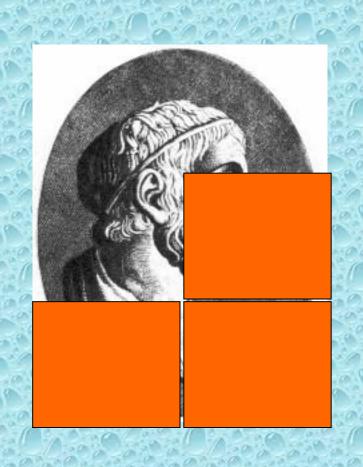
12	9
3	276
36	63

ПРАВИЛЬНОЕ РЕШЕНИЕ.



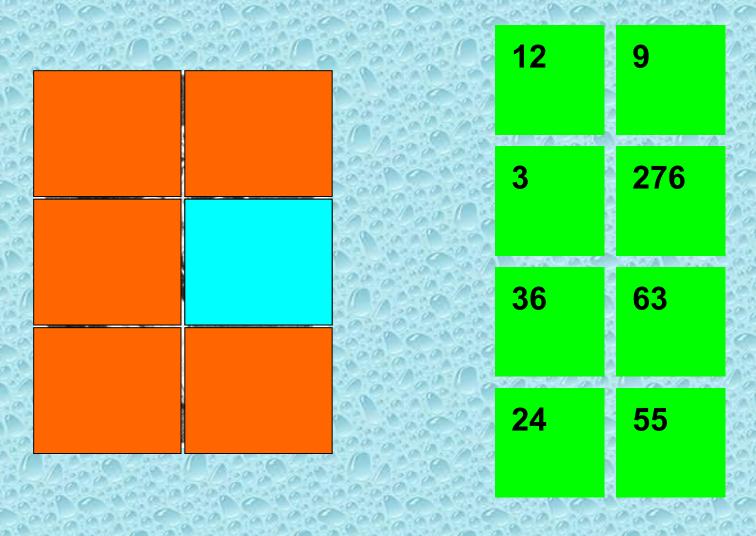


НУ И КТО ЖЕ ЭТО?

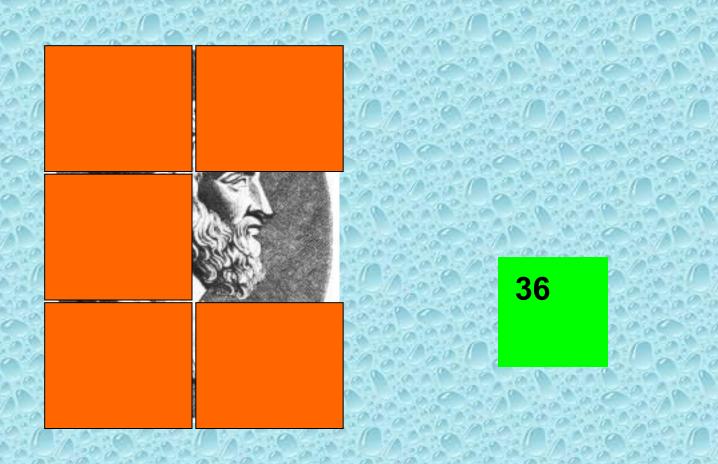




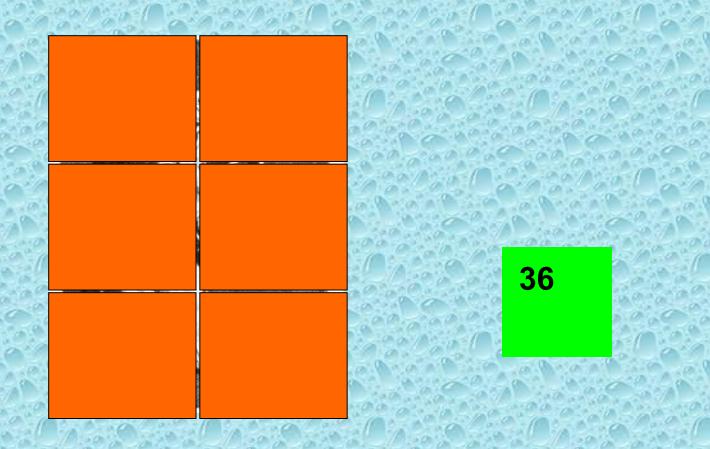
HOK (12; 9).....

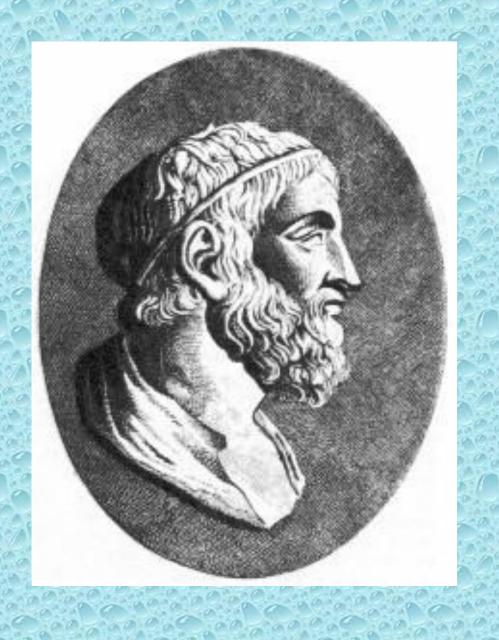


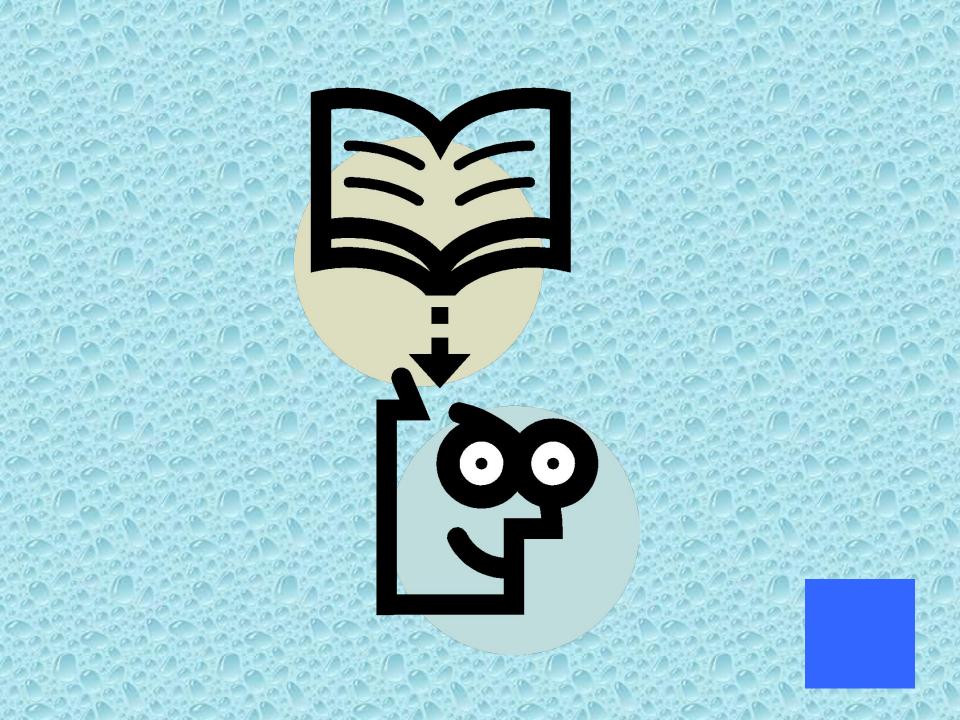
У ВАС ЕСТЬ ШАНС.



догадались?







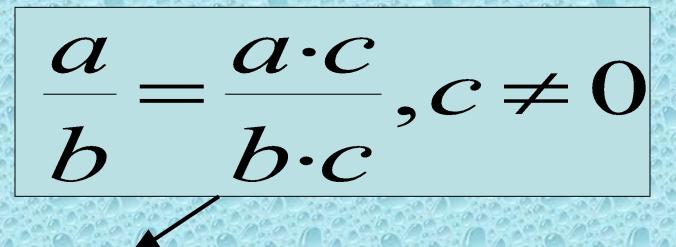
7 • 3 8 • 3

$$\frac{7 \cdot 3}{8 \cdot 3} \cdot \frac{7}{8}$$

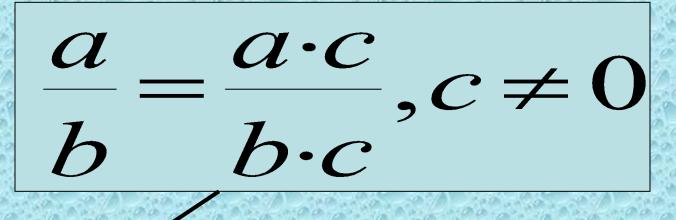
8.5

8 • 3

$$\frac{a}{b} = \frac{a \cdot c}{b \cdot c}, c \neq 0$$

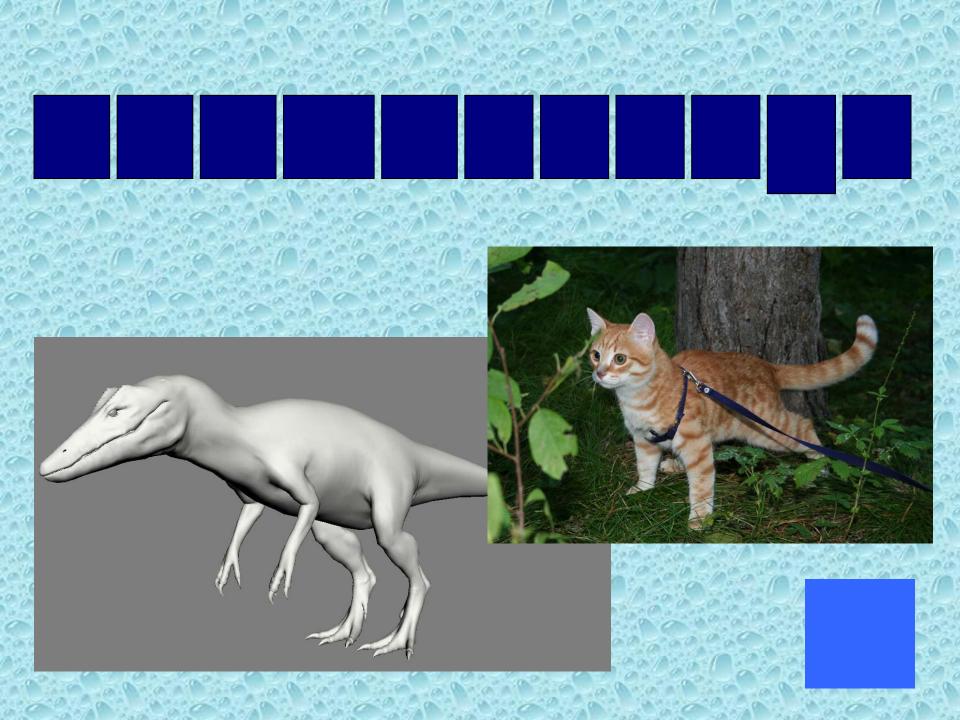


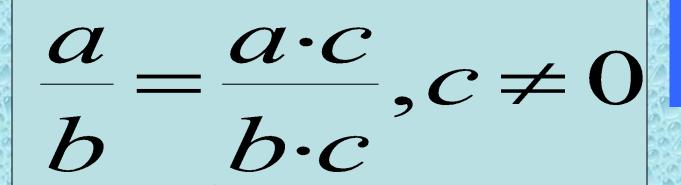
приведение дробей к общему знаменателю



приведение дробей к общему знаменателю

сравнение дробей с общим знаменателем

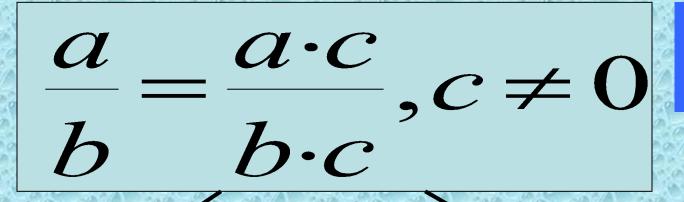




приведение дробей к общему знаменателю

сравнение дробей с общим знаменателем

сравнение дробей с одинаковым числителем



приведение дробей к общему знаменателю

сравнение дробей с общим знаменателем приведение дробей к одинаковому числителю

сравнение дробей с одинаковым числителем

Что делать?	Условие	Примеры
2.		
3.		
4.		



Что делать?	Условие	Примеры
		$\frac{7}{9}u\frac{16}{15}; \frac{39}{37}u\frac{91}{95}; \frac{120}{123}u\frac{88}{85}.$
2.		
3.		
4.		



Что делать?	Условие	Примеры
		$\frac{7}{9}u\frac{16}{15};\frac{39}{37}u\frac{91}{95};\frac{120}{123}u\frac{88}{85}.$
2.		$\frac{15}{19}u\frac{3}{8};\frac{33}{67}u\frac{23}{45};\frac{5}{7}u\frac{4}{9}.$
3.		
4.		



Что делать?	Условие	Примеры
1. Сравнить с единицей	$\frac{a}{b}\langle 1; \frac{c}{d}\rangle 1.$	$\frac{7}{9}\langle \frac{16}{15}; \frac{39}{37} \rangle \frac{91}{95}; \frac{120}{123}\langle \frac{88}{85}.$
2.		$\frac{15}{19}u\frac{3}{8};\frac{33}{67}u\frac{23}{45};\frac{5}{7}u\frac{4}{9}.$
3.		$\frac{18}{19}u\frac{5}{6};\frac{20}{21}u\frac{17}{18};\frac{37}{39}u\frac{93}{95}.$
4.		

Что делать?	Условие	Примеры
1. Сравнить	$\frac{a}{b}\langle 1; \frac{c}{d}\rangle 1.$	$\left \frac{7}{9}\left\langle\frac{16}{15};\frac{39}{37}\right\rangle\frac{91}{95};\frac{120}{123}\left\langle\frac{88}{85}\right.\right $
с единицей	b, d	9 `15 '37 ' 95 ' 123 `85
2.Сравнить	$\frac{a}{b}\langle \frac{1}{2}; \frac{c}{d}\rangle \frac{1}{2}.$	$ \frac{15}{19}\rangle\frac{3}{8};\frac{33}{67}\langle\frac{23}{45};\frac{5}{7}\rangle\frac{4}{9}.$
C ½	b 2'd'2'	19′ 8′ 67 `45′ 7′ 9
3.		$\frac{18}{u} = \frac{5}{20} = \frac{17}{u} = \frac{37}{20} = \frac{93}{20}$
		$\frac{1}{19}u^{-\frac{1}{5}}; \frac{1}{21}u^{-\frac{1}{18}}; \frac{1}{39}u^{-\frac{1}{95}}.$
4.		

Что делать?	Условие	Примеры
1. Сравнить с единицей	$\frac{a}{b}\langle 1; \frac{c}{d}\rangle 1.$	$\left \frac{7}{9}\left\langle\frac{16}{15};\frac{39}{37}\right\rangle\frac{91}{95};\frac{120}{123}\left\langle\frac{88}{85}\right.\right $
2.Сравнить с ½	$\frac{a}{b}\langle \frac{1}{2}; \frac{c}{d}\rangle \frac{1}{2}.$	$\frac{15}{19}$ \rangle\frac{3}{8}; $\frac{33}{67}$ \langle\frac{23}{45}; $\frac{5}{7}$ \rangle\frac{4}{9}.
3. Определить близость к 1	b-a=d-c	$\frac{18}{19}$ \rangle\frac{5}{6}; $\frac{20}{21}$ \rangle\frac{17}{18}; $\frac{37}{39}$ \langle\frac{93}{95}.
4.		

Что делать?	Условие	Примеры
1. Сравнить с единицей	$\frac{a}{b}\langle 1; \frac{c}{d}\rangle 1.$	$\frac{7}{9}\langle \frac{16}{15}; \frac{39}{37}\rangle \frac{91}{95}; \frac{120}{123}\langle \frac{88}{85}.$
2.Сравнить с ½	$\frac{a}{b}\langle \frac{1}{2}; \frac{c}{d}\rangle \frac{1}{2}.$	$\frac{15}{19}$ \rangle\frac{3}{8}; $\frac{33}{67}$ \langle\frac{23}{45}; $\frac{5}{7}$ \rangle\frac{4}{9}.
3. Определить близость к 1	b-a=d-c	$\frac{18}{19}$ \rangle\frac{5}{6}; $\frac{20}{21}$ \rangle\frac{17}{18}; $\frac{37}{39}$ \langle\frac{93}{95}.
4. Общее правило	$\frac{a \cdot d \langle c \cdot b, mo}{\frac{a}{b} \langle \frac{c}{d} \rangle}$	$\frac{8}{25}u\frac{4}{11};8\cdot 11u4\cdot 25.$

Что делать?	Условие	Примеры
1. Сравнить с единицей	$\frac{a}{b}\langle 1; \frac{c}{d}\rangle 1.$	$\frac{7}{9}\langle \frac{16}{15}; \frac{39}{37}\rangle \frac{91}{95}; \frac{120}{123}\langle \frac{88}{85}.$
2.Сравнить с ½	$\frac{a}{b}\langle \frac{1}{2}; \frac{c}{d}\rangle \frac{1}{2}.$	$\frac{15}{19}$ \rangle\frac{3}{8}; $\frac{33}{67}$ \langle\frac{23}{45}; $\frac{5}{7}$ \rangle\frac{4}{9}.
3. Определить близость к 1	b-a=d-c	$\frac{18}{19}$ \rangle\frac{5}{6}; $\frac{20}{21}$ \rangle\frac{17}{18}; $\frac{37}{39}$ \langle\frac{93}{95}.
4. Общее правило	$a \cdot d \langle c \cdot b, mo \rangle$ $\frac{a}{b} \langle \frac{c}{d} \rangle$	$\frac{8}{25}u\frac{4}{11};8\cdot11\langle4\cdot25.$

Что делать?	Условие	Примеры
1. Сравнить с единицей	$\frac{a}{b}\langle 1; \frac{c}{d}\rangle 1.$	$\frac{7}{9}\langle \frac{16}{15}; \frac{39}{37}\rangle \frac{91}{95}; \frac{120}{123}\langle \frac{88}{85}.$
2.Сравнить с ½	$\frac{a}{b}\langle \frac{1}{2}; \frac{c}{d}\rangle \frac{1}{2}.$	$\frac{15}{19}$ \rangle\frac{3}{8}; $\frac{33}{67}$ \langle\frac{23}{45}; $\frac{5}{7}$ \rangle\frac{4}{9}.
3. Определить близость к 1	b-a=d-c	$\frac{18}{19}$ \rangle\frac{5}{6}; $\frac{20}{21}$ \rangle\frac{17}{18}; $\frac{37}{39}$ \langle\frac{93}{95}.
4. Общее правило	$a \cdot d \langle c \cdot b, mo \rangle$ $\frac{a}{b} \langle \frac{c}{d} \rangle$	$\frac{8}{25} \langle \frac{4}{11}; 8 \cdot 11 \langle 4 \cdot 25.$

ЗАДАНИЕ 4

Сравнить дроби наиболее удобным способом:

1)
$$\frac{13}{25}u\frac{27}{50}$$
;

$$3)\frac{6}{59}u\frac{3}{29};$$

$$5)\frac{35}{36}u\frac{36}{37};$$

$$2)\frac{15}{77}u\frac{10}{33};$$

$$4)\frac{19}{7}u\frac{7}{19};$$

6)
$$\frac{9}{11}u\frac{5}{7}$$
.

ЗАДАНИЕ 4

Проверка полученных результатов:

1)
$$\frac{13}{25}\langle \frac{27}{50};$$

3)
$$\frac{6}{59}\langle \frac{3}{29};$$

$$5)\frac{35}{36}\langle \frac{36}{37};$$

$$2)\frac{15}{77}\langle \frac{10}{33};$$

$$4)\frac{19}{7}\rangle\frac{7}{19};$$

$$6)\frac{9}{11}\rangle\frac{5}{7}$$
.

