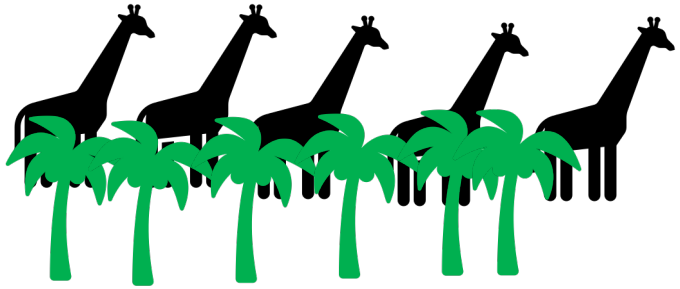
Year 5

Multiplicative Fluency 3

Week 9

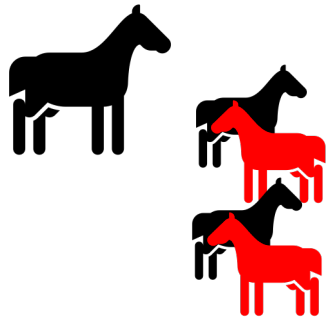
20,30, 72 and 81

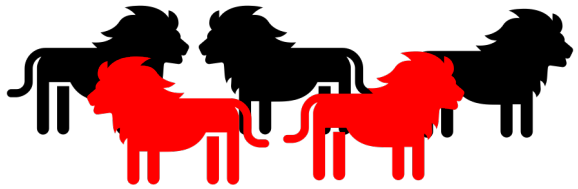
Number 20

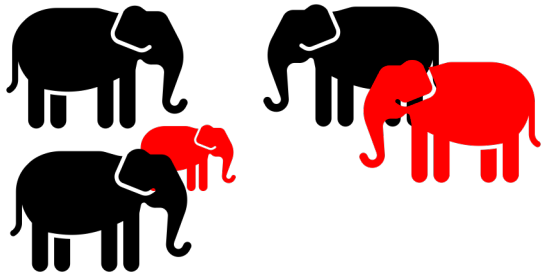


How many legs in each group?

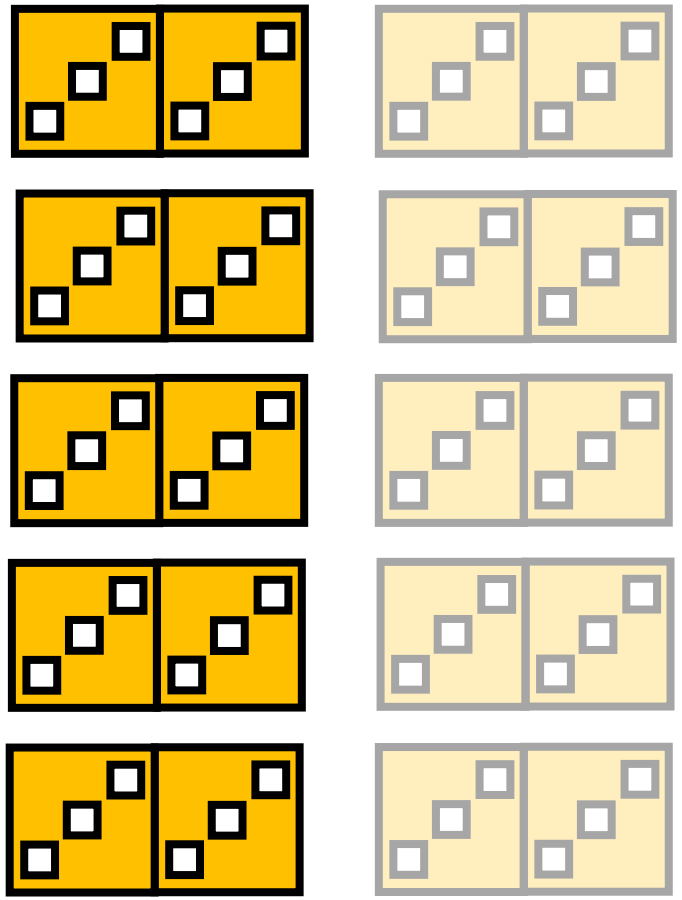
What multiplication and division facts are here?





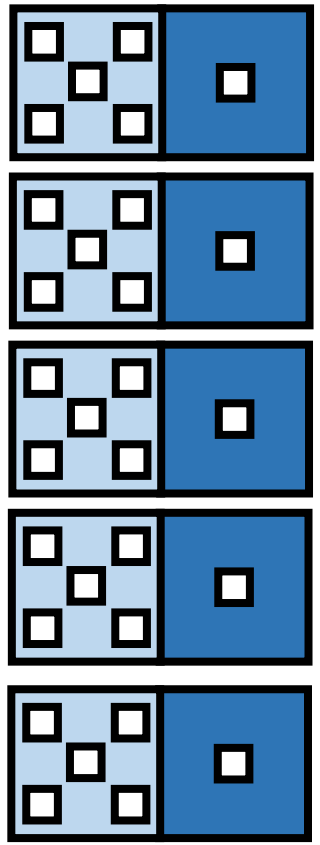


Number 30



Look at these dominoes.

What different ways can you think about 6 x 5



Hmm. If I know 10 times 6…

I know five fives are twenty-five. So Five sixes are…

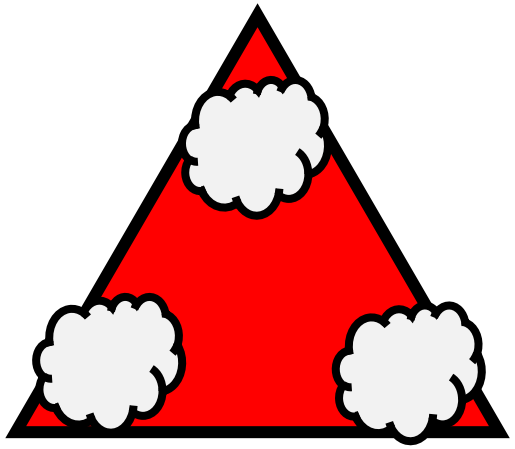
The end of the road!!!

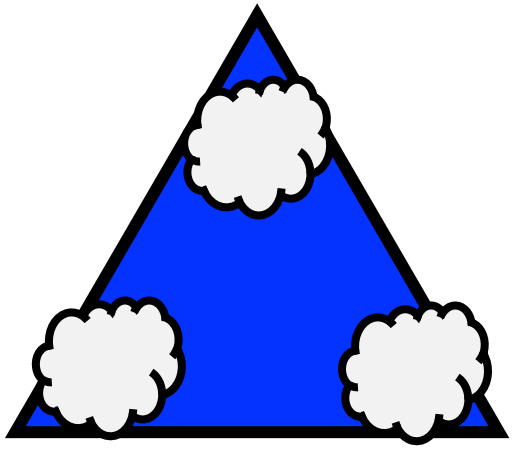
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

One times table fact for the red row and one for the blue row

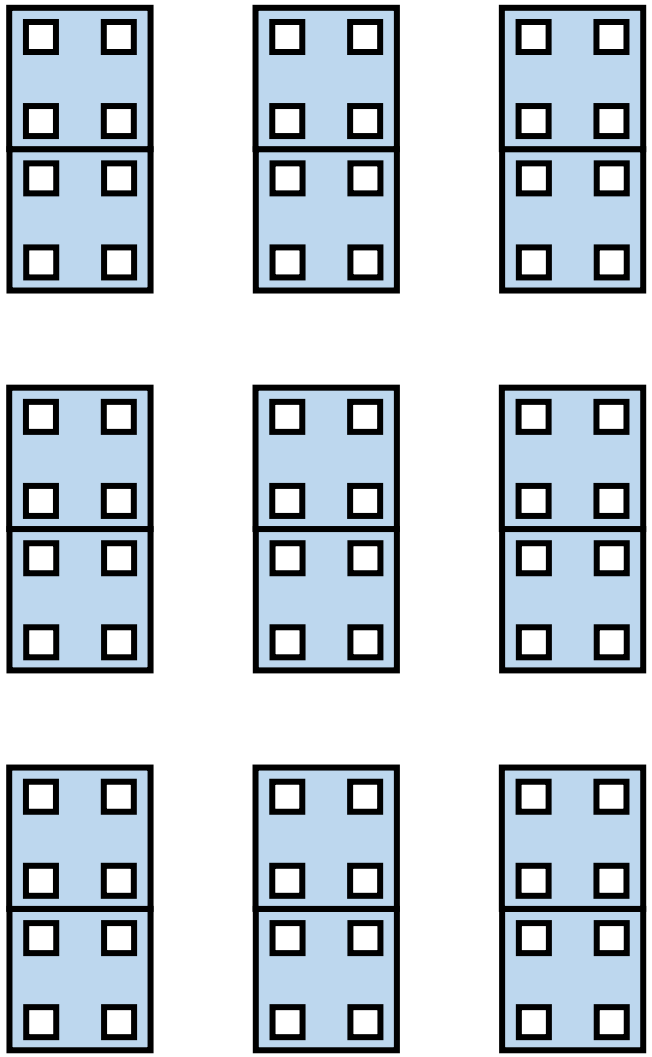
Can you predict which times table these products are in?

Can you guess any of the factors?

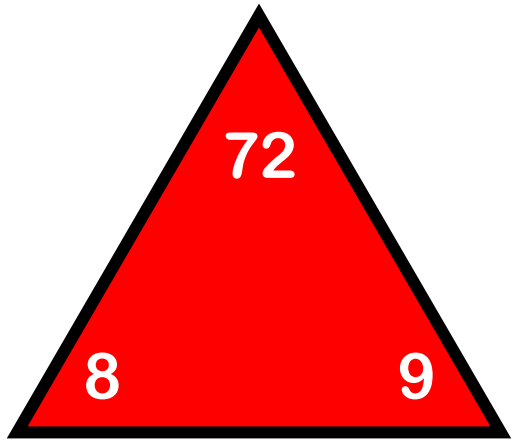




Use a calculator. Try to find the factors for these numbers



72

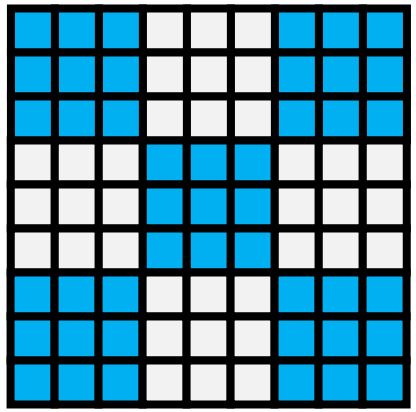


72 is 8 x 9.

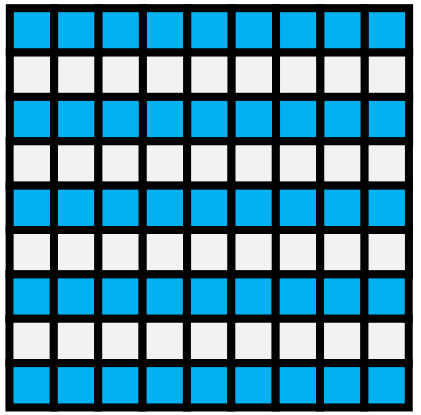
What other factors are here too?

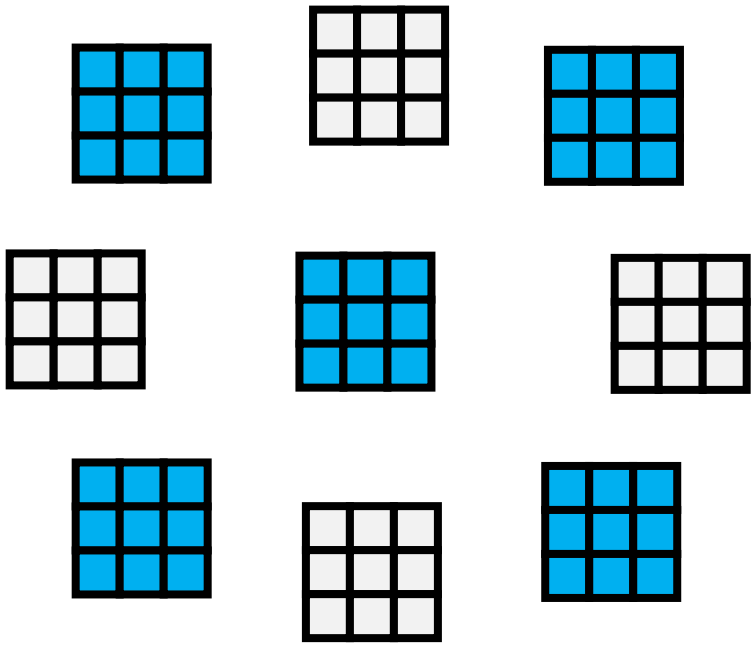
☐	×	☐	=	72
☐	×	☐	=	72
72	÷	☐	=	☐
72	÷	☐	=	☐

81 is something times itself!

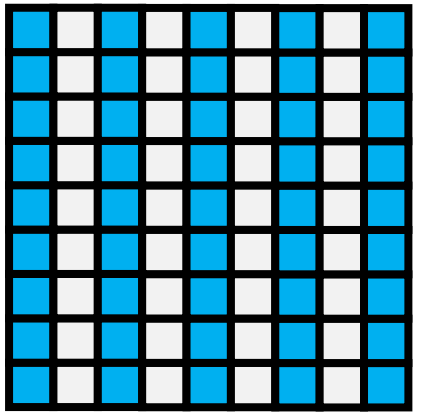


How many ways can you colour 81 to show 9 times 9?

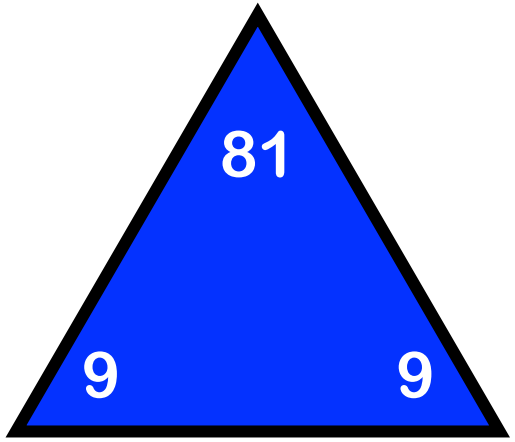


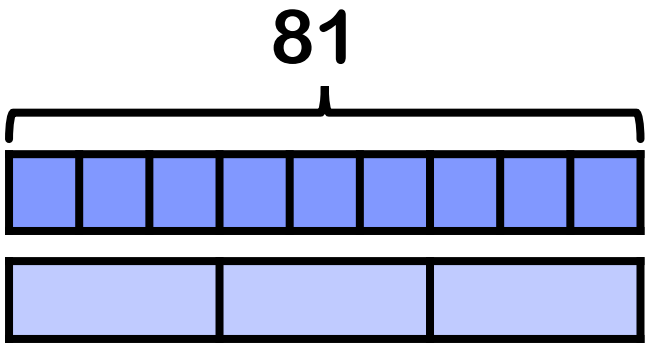


Do you remember any other square numbers like this?



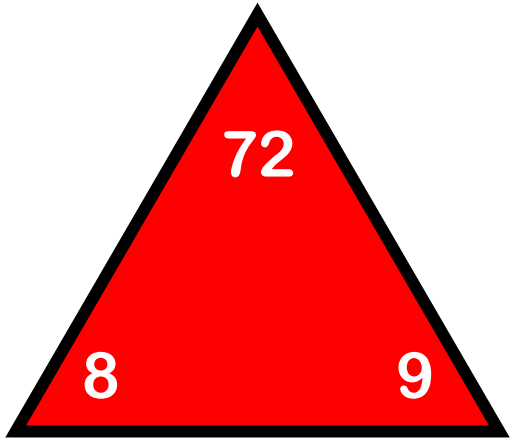
Fraction skills

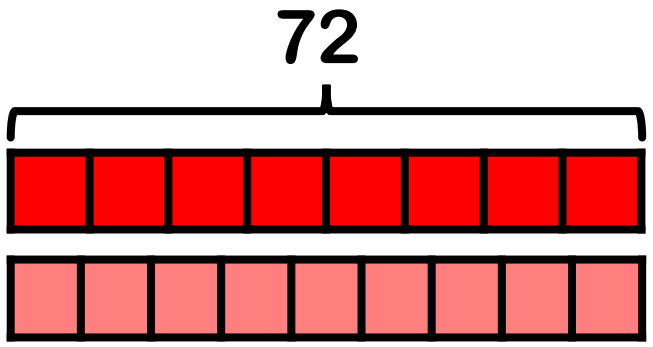




$\frac{1}{9}$ of 81 is $\square$

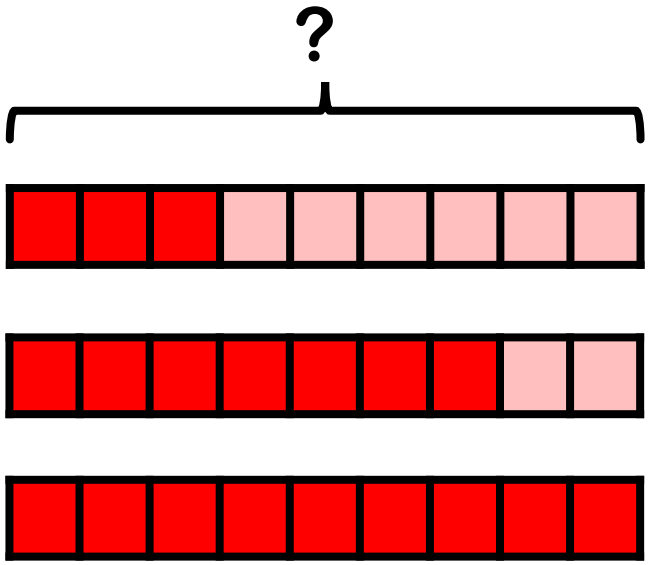
$\frac{1}{3}$ of 81 is $\square$





$\frac{1}{\square}$ of 72 is 9

$\frac{1}{\square}$ of 72 is 8



$\frac{3}{9}$ of 72 is $\square$

$\frac{7}{9}$ of 72 is $\square$

$\frac{9}{9}$ of 72 is $\square$

Week 9
Day 5b

CODE Maths Hub

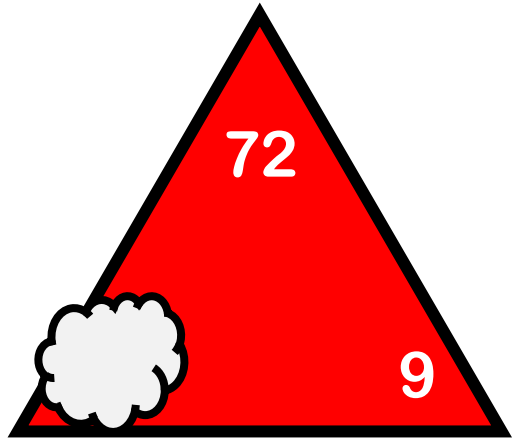
How are they connected?

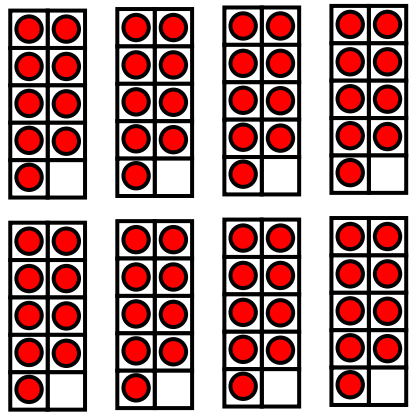
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

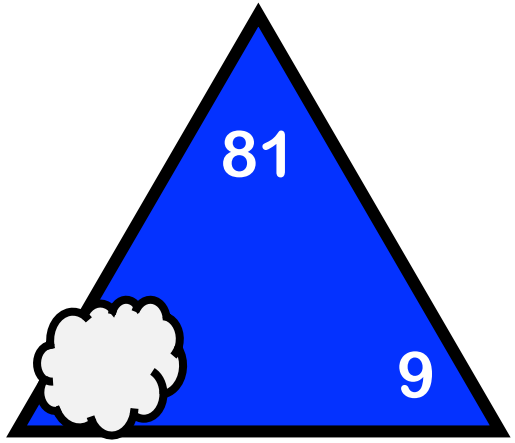
$9 \times 2 = 20 - 2$

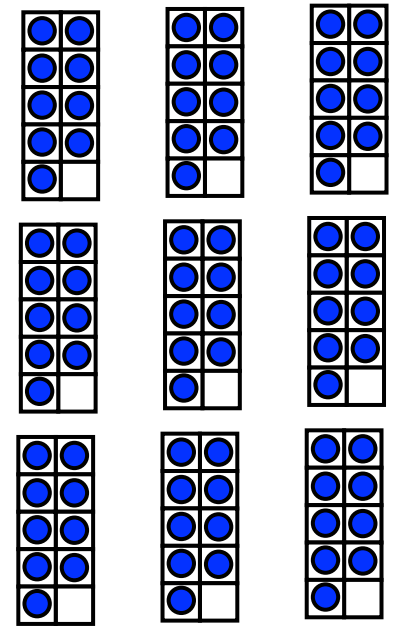
$9 \times 5 = 50 - 5$

$9 \times 7 = 70 - 7$









How can you describe this pattern?