Why don't my students know their math facts?

CMC-S – November 5, 2022

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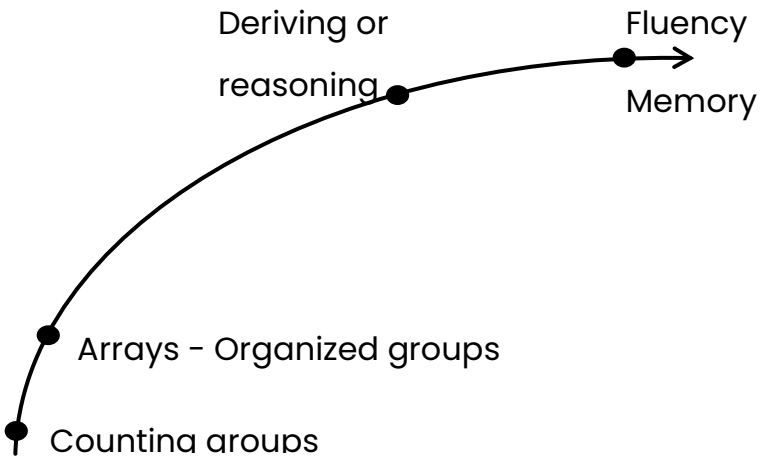
Professional Development, LLC



Foundation facts are multiplication/ division of 1, 2, 5, and 10.

Other facts can be derived.

Teaching and Remediating Single-Digit Multiplication

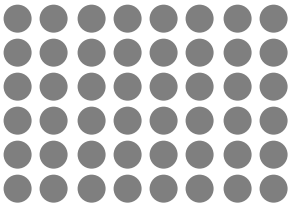
Think:

What facts for multiplication by 8 do you already know? How can you use these facts to derive the facts you don't know?

Use the dot paper to find the facts for multiplying by 8.

1 x 8 = 8

2 x 8 = 8 + 8 = 16

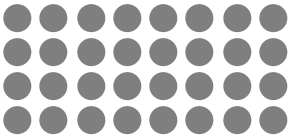


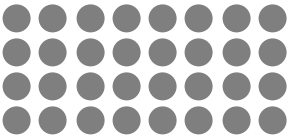
5 x 8 = 40

Record your strategies:

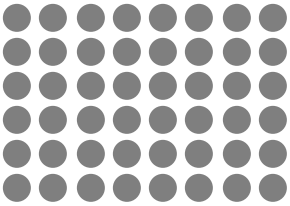
3 x 8

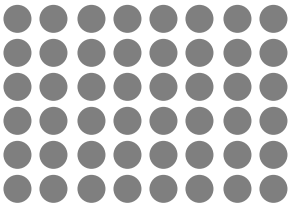
4 x 8

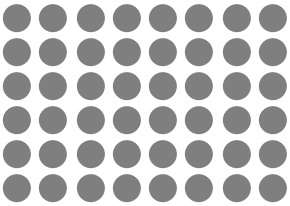


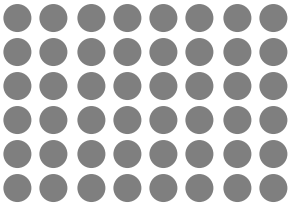


6 x 8

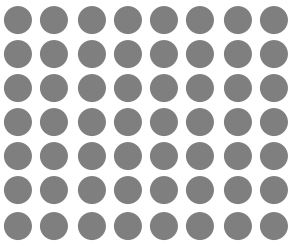


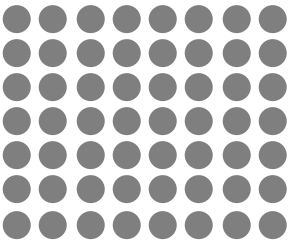




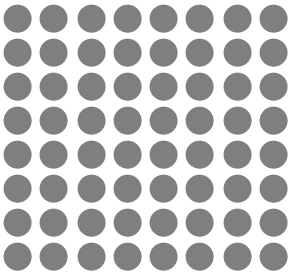


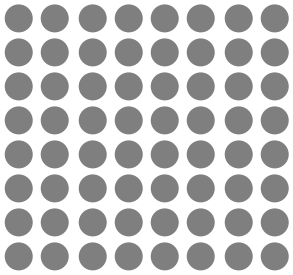
7 x 8

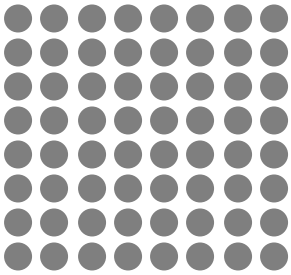


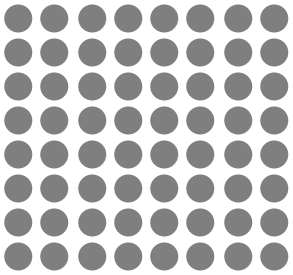


8 x 8

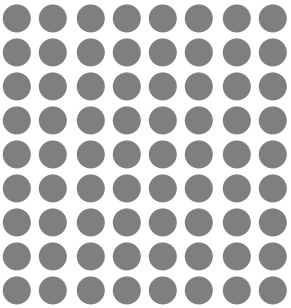


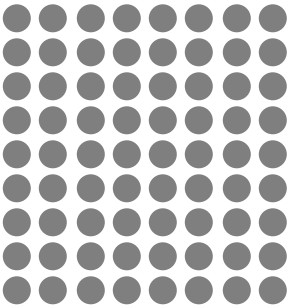






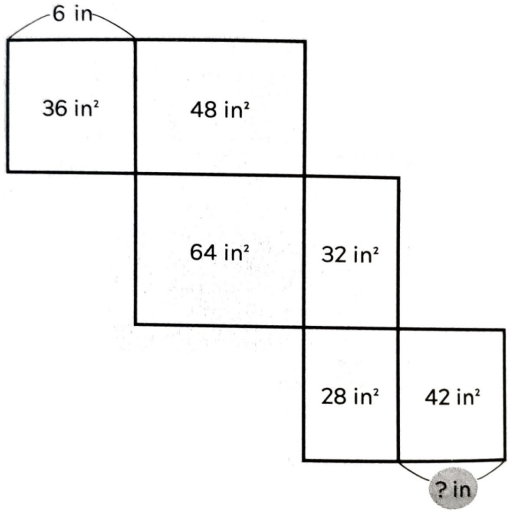
9 x 8

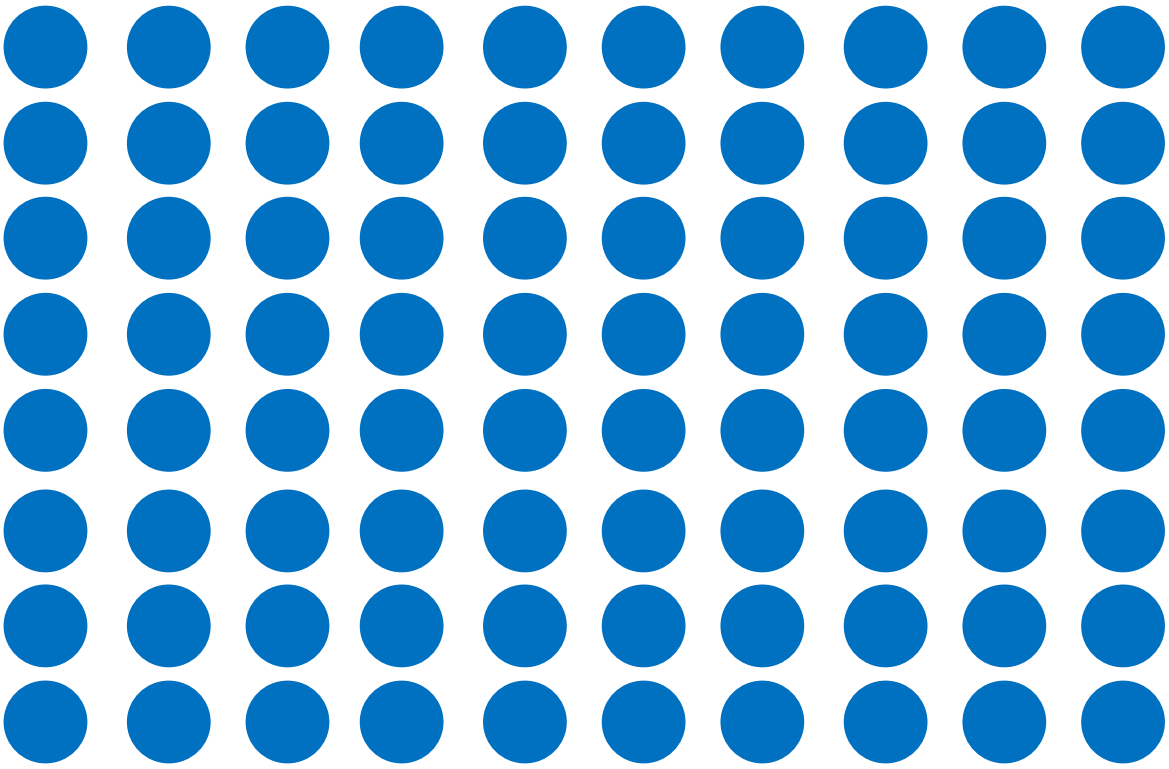


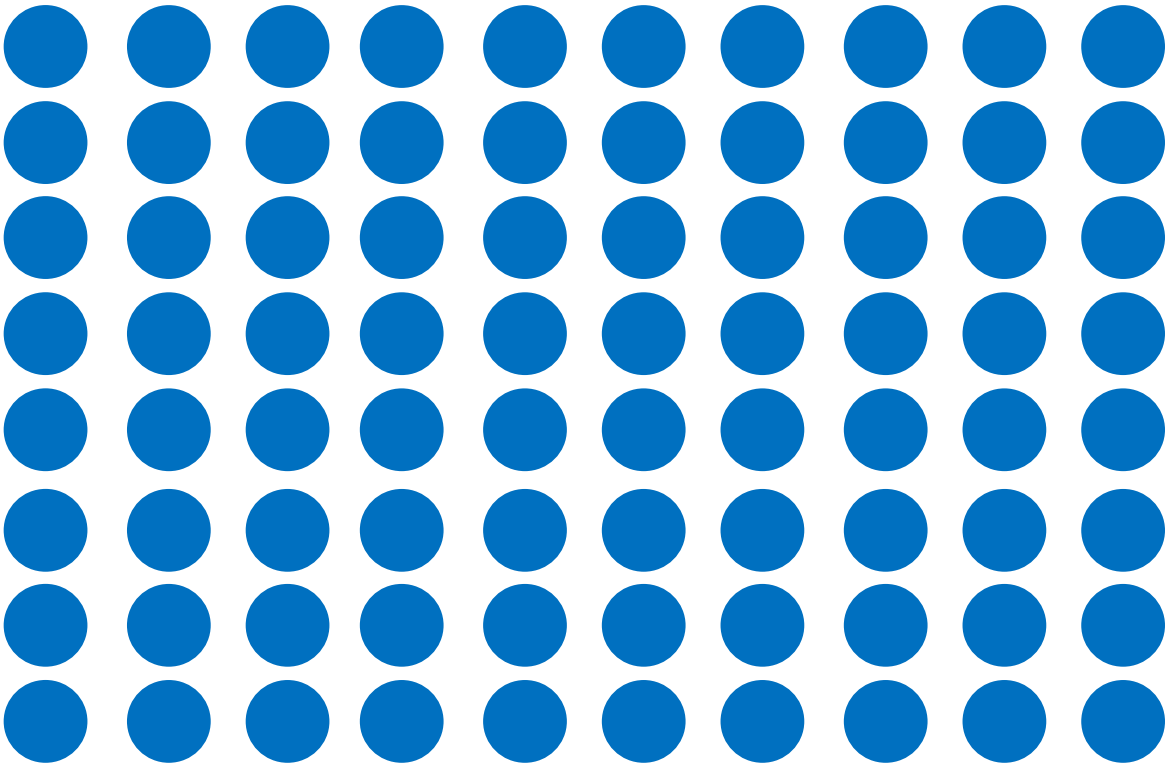


Possible Journal/Exit Ticket prompts:

- What facts are hard for you to recall? Can you think of a way to break them apart, so they are easier to recall?
- Using facts that you know, find the product of 16 x 8. Explain your thinking.







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3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

1	2	3	4	5	6	7	8	9	10
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