STEM Little Explorers

My Times Table

Name: _____

Fill it in one family at a time, starting with the easy ones. Tick each family when its row and its column are full.

×	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Fill in this order: ☐ ×1 ☐ ×10 ☐ ×2 ☐ ×5 ☐ ×4 ☐ ×8 ☐ ×3 ☐ ×6 ☐ ×7 ☐ ×9

☐ Yellow squares are the square facts, like 6 × 6.

Flip trick: when you know 3 × 7, you also know 7 × 3. Write both!

Patterns to spot when it is full

- Look at the ×5 column. Which digits do the answers end in?
- Look at the ×9 column. Add the two digits of each answer. What do you notice?
- Find 24 in the table. How many times does it appear?

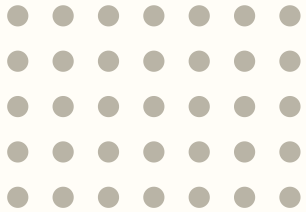
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See It, Flip It, Break It Apart

Name: _____

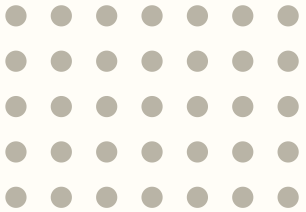
1. See it and flip it

Circle 3 rows of 4 dots.



3 × 4 = ____

Now circle 4 rows of 3 dots.



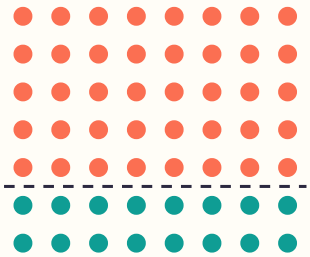
4 × 3 = ____

What changed? What stayed the same?

2. Break it apart

A hard fact is two easy facts joined together.

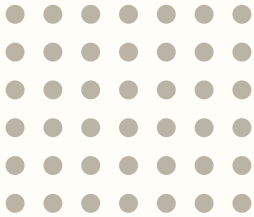
Example: 7 rows of 8 are 5 rows and 2 rows.



7 × 8 = 5 × 8 + 2 × 8

= 40 + 16 = 56

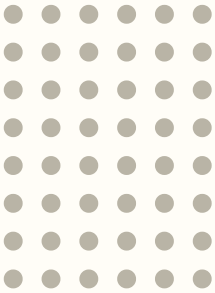
Draw a line under row 5.



6 × 7 = 5 × 7 + 1 × 7

= ____ + ____ = ____

Split the 8 rows your own way.



8 × 6 = ____ × 6 + ____ × 6

= ____ + ____ = ____

3. Double, and double again

For ×4, double twice. For ×8, double three times.

2 × 6 = ____ → 4 × 6 = ____

2 × 7 = ____ → 4 × 7 = ____ → 8 × 7 = ____

4. Your turn

Draw your hardest fact as rows of dots. Split it with a line and write the two easy facts.

____ × ____ = ____ × ____ + ____ × ____ = ____

STEM Little Explorers

My 15 Target Facts

Name: _____

After the shortcuts, only these 15 facts are left. Fill in the answers you know. Circle the ones that still feel hard.

×	3	4	6	7	8
3	3 × 3 = ____	3 × 4 = ____	3 × 6 = ____	3 × 7 = ____	3 × 8 = ____
4		4 × 4 = ____	4 × 6 = ____	4 × 7 = ____	4 × 8 = ____
6			6 × 6 = ____	6 × 7 = ____	6 × 8 = ____
7				7 × 7 = ____	7 × 8 = ____
8					8 × 8 = ____

My routes

Pick 3 to 5 facts that still feel hard. Write the easier facts that help you, then color a star each day you get it right without counting.

Fact	My route (how I think)	Day 1 · Day 2 · Day 3
7 × 8	5 × 8 + 2 × 8 = 40 + 16	☆ ☆ ☆
____ × ____		☆ ☆ ☆
____ × ____		☆ ☆ ☆
____ × ____		☆ ☆ ☆
____ × ____		☆ ☆ ☆
____ × ____		☆ ☆ ☆

Three stars? That fact is yours now. Pick a new one!

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Mix It Up

Name: _____

Hide your times table first. If you get stuck, find a route: flip it, double it or break it apart.

A. Multiply

1. 3 × 4 = ____
2. 6 × 7 = ____
3. 8 × 4 = ____
4. 7 × 7 = ____
5. 3 × 8 = ____
6. 6 × 6 = ____
7. 4 × 7 = ____
8. 8 × 8 = ____

B. Find the missing number

9. ____ × 6 = 24
10. 8 × ____ = 56
11. ____ × 7 = 42
12. 6 × ____ = 48
13. 4 × ____ = 16
14. ____ × 3 = 18
15. 8 × ____ = 24
16. ____ × 8 = 32

C. Divide

17. 28 ÷ 4 = ____
18. 64 ÷ 8 = ____
19. 21 ÷ 3 = ____
20. 36 ÷ 6 = ____
21. 32 ÷ 8 = ____
22. 49 ÷ 7 = ____
23. 12 ÷ 3 = ____
24. 18 ÷ 6 = ____

One fact family: 7 × 8 = 56, 8 × 7 = 56, 56 ÷ 7 = 8, 56 ÷ 8 = 7. Know one and you know all four.

Answers: 1) 12 2) 42 3) 32 4) 49 5) 24 6) 36 7) 28 8) 64 9) 4 10) 7 11) 6 12) 8 13) 4 14) 6 15) 3 16) 4 17) 7 18) 8 19) 7 20) 6 21) 4 22) 7 23) 4 24) 3