

Name: _____

Strategy: 6 Times

Date: _____

Worksheet: M7

A group of 6 is quick to see, if you think in groups of 3!

"I have a fast way to multiply 6×4 . Instead of adding 6 fours all at once, I first add 3 fours or $4+4+4 = 12$, then add another 3 fours to get $12+12 = 24$. Knowing your 3s helps you learn your 6s!"

1. $6 \times 4 = \begin{array}{|c|} \hline 12 \\ \hline \end{array} + \begin{array}{|c|} \hline 12 \\ \hline \end{array} = \begin{array}{|c|} \hline 24 \\ \hline \end{array}$
 3×4 3×4

3. $6 \times 6 = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline 18 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$
 3×6 3×6

2. $6 \times 5 = \begin{array}{|c|} \hline 15 \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$
 3×5 3×5

4. $6 \times 7 = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$
 3×7 3×7

Now try doing all the steps in your head!

5. $6 \times 9 = \begin{array}{|c|} \hline \\ \hline \end{array}$

9. $6 \times 24 = \begin{array}{|c|} \hline \\ \hline \end{array}$

6. $6 \times 10 = \begin{array}{|c|} \hline \\ \hline \end{array}$

10. $6 \times 36 = \begin{array}{|c|} \hline \\ \hline \end{array}$

7. $6 \times 12 = \begin{array}{|c|} \hline \\ \hline \end{array}$

11. $6 \times 52 = \begin{array}{|c|} \hline \\ \hline \end{array}$

8. $6 \times 15 = \begin{array}{|c|} \hline \\ \hline \end{array}$

12. $6 \times 75 = \begin{array}{|c|} \hline \\ \hline \end{array}$

Name: _____

Strategy: 7 Times

Date: _____

Worksheet: M8

A group of 7 can be quick, 5 and 2 will do the trick!

"I have a fast way to multiply 7×3 . Instead of adding 7 threes all at once, I first add 5 threes or $5 \times 3 = 15$, then add 2 threes or $2 \times 3 = 6$. The answer is $15 + 6 = 21$. 7 isn't easy, but it's easier as 5 and 2!"

$$1. \quad 7 \times 3 = \boxed{15} + \boxed{6} = \boxed{21}$$

5×3 2×3

$$3. \quad 7 \times 5 = \boxed{} + \boxed{10} = \boxed{}$$

5×5 2×5

$$2. \quad 7 \times 4 = \boxed{20} + \boxed{} = \boxed{}$$

5×4 2×4

$$4. \quad 7 \times 6 = \boxed{} + \boxed{} = \boxed{}$$

5×6 2×6

Now try doing all the steps in your head!

$$5. \quad 7 \times 7 = \boxed{}$$

$$9. \quad 7 \times 14 = \boxed{}$$

$$6. \quad 7 \times 8 = \boxed{}$$

$$10. \quad 7 \times 22 = \boxed{}$$

$$7. \quad 7 \times 9 = \boxed{}$$

$$11. \quad 7 \times 25 = \boxed{}$$

$$8. \quad 7 \times 12 = \boxed{}$$

$$12. \quad 7 \times 44 = \boxed{}$$

Name: _____

Strategy: 8 Times

Date: _____

Worksheet: M9

A group of 8 is nothing more, than equal groups of 4 and 4!

"I have a fast way to multiply 8×5 . Instead of adding 8 fives all at once, I first add 4 fives or $4 \times 5 = 20$, then add 4 more fives to get the answer $20 + 20 = 40$. Knowing your 4s helps you learn your 8s!"

$$1. \quad 8 \times 3 = \begin{array}{|c|} \hline 12 \\ \hline \end{array} + \begin{array}{|c|} \hline 12 \\ \hline \end{array} = \begin{array}{|c|} \hline 24 \\ \hline \end{array}$$

4×3 4×3

$$3. \quad 8 \times 5 = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline 20 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

4×5 4×5

$$2. \quad 8 \times 4 = \begin{array}{|c|} \hline 16 \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

4×4 4×4

$$4. \quad 8 \times 12 = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

4×12 4×12

Now try doing all the steps in your head!

$$5. \quad 8 \times 6 = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$9. \quad 8 \times 15 = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$6. \quad 8 \times 7 = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$10. \quad 8 \times 16 = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$7. \quad 8 \times 8 = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$11. \quad 8 \times 25 = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$8. \quad 8 \times 9 = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$12. \quad 8 \times 32 = \begin{array}{|c|} \hline \\ \hline \end{array}$$