

Third Grade Unit 8- Multiplication and Division

In this unit students will:

- Multiply within 100 fluently.
- Divide within 100 fluently.
- Multiply 1-digit numbers by multiples of 10.
- Determine the unknown in multiplication and division equations.
- Use multiplication and division to solve number stories.
- Model number stories involving multiplication and division.
- Understand division as an unknown-factor problem.
- Interpret division in terms of equal shares or equal groups.
- Understand that shapes in different categories may share attributes that can define a larger category.

Ideas for Home:

- Practice using basic multiplication facts, such as $4 \times 6 = 24$, to solve extended multiplication facts, such as 4×60 , by thinking of groups of ten.
 - For example, 4×60 can be thought of as 4×6 [10s]. If you know that $4 \times 6 = 24$, then you also know that 4×6 [10s] = 24 [10s] or 240. **The same approach works for extended division facts** like $120 \div 3 = 40$. If you know that $12 \div 3 = 4$, then you also know that 12 [10s] $\div 3 = 4$ [10s] or 40.
- Play: Factor Bingo
 - Players choose products to write in their game mat. They turn over a number card to generate a factor and find products with that factor on their mat. The first player to cover 5 products in a row or have 12 products covered wins.

Please note: The activities above are not homework. They are suggestions for supporting learning at home. Please consult with your child's teacher for homework and specific suggestions related to your child's needs.

Websites:

- 1) <http://www.sheppardsoftware.com/mathgames/geometry/shapshoot/AreaShapesShoot.htm>
- 2) <http://www.abcya.com/measuring.htm>
- 3) <https://www.turtlediary.com/games/third-grade/units-of-measurement.html>
- 4) <https://cainc.i-ready.com>

