# MATH TODAY



Grade 3, Module 4, Topic D

# 3<sup>rd</sup> Grade Math

Module 4: Multiplication and Area

#### Math Parent Letter

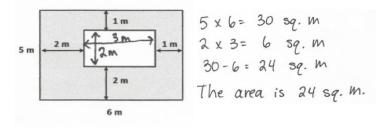
This document is created to give parents and students a better understanding of the math concepts found in the Engage New York material which is taught in the classroom. Module 4 of Engage New York covers understanding concepts of area and relating area to multiplication and addition. This newsletter will discuss Module 4, Topic D.

Topic D: Applications of Area Using Side Lengths of Figures

#### Vocabulary Words

- area
- area model
- decompose
- unknown group size
- unknown product
- length
- square unit
- unit square
- unknown number
  - of groups

The figure below shows a small rectangle in a big rectangle. Find the area of the shaded part of the figure.



### Home and School Connection Activities:

- *1* Create and solve word problems involving area.
- 2 Find areas by decomposing into rectangles or completing composite figures to form rectangles.
- 3 Apply knowledge of area to determine areas of rooms in your home.

## 2014/2015

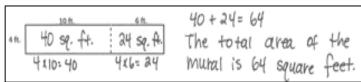
## Focus Area- Topic D

Applications of Area Using Side Lengths of Figures

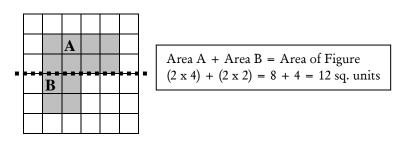
How can we find the value of w?  $32 \div 4 = w$ The value of w is 8 feet.



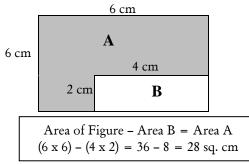
An artist paints a  $4 \ge 16$  foot mural on a wall. What is the total area of the mural? Use the break apart and distributive strategy.



There is more than one way to find the unknown area 1. Break Apart Strategy



2. Subtract to Find Area



3. Subtract to find Area with Missing Sides

