

Family Math Night ~ 3rd Grade, 2nd Quarter

Teacher Summary Page

If you have not done a **Family Math Night** this year, you need to do the **Introductory Packet** (Kindergarten packet is slightly different from 1st through 5th grades) which provides an overview of the **Everyday Mathematics** curriculum.

Standards: 1.4.K1 (computes with efficiency and accuracy); 1.4.K2 (multiplication facts)

Everyday Mathematics content:

Lesson 4.8 (Exploring Arrays and Facts) pages 283 - 286

Mathematical Objective – use multiplication arrays and solve problems using factors

Take Home Game: Royal Revenge

(using the playing cards)

Directions are included in this packet and the Family Math Packet

Materials needed:

Teacher materials:

- Student Reference Book (SRB) – one for each family to look over
- Color tiles
- Dot Grid blackline to make a copy for each family
- Blank paper for Fact Platters

Parent materials to keep:

- Family Math Packet (**Royal Revenge** directions)
- A deck of cards for each family

Everyday Mathematics whole group lesson with parents (**10 minutes** for introduction section and then **30 minutes** for the lesson):

1. If you have not done a Family Math Night this year, you will need to get the Introductory Packet and use that for the first 10 minutes (suggestion – this could be done with all grade levels in a commons area before finishing the rest of the Math Night in grade level rooms)
2. Explain that you will be giving a sample lesson from the Everyday Mathematics curriculum.
3. Everyday Mathematics Grade 3 Teacher's Lesson Guide (volume 1) page 284. Complete the Mental Math and Reflexes with the families. Explain that this part of the lesson is a warm-up activity to get kids thinking about the math needed for the lesson. Discuss the Math Message and explain that this links directly to the lesson.
4. Next have the families participate in the **Exploration A: Estimating a Number of Dots**, **Exploration B: Setting Up Chairs**, and **Exploration C: Practicing Multiplication and Division with a Fact Platter** which can be found on pages 284-285 of the Teacher's Lesson Guide. Explain that this is the core lesson. Follow the lesson directions given with modifications as necessary since you are working with families.
5. When working with the Fact Platters, let the families know that these can be done at home on scratch paper for extra fact practice. Give families time to create and practice using Fact Platters on blank paper.

Take Home Game details (15 minutes): Royal Revenge

Explain that this game is to provide extra reinforcement for multiplication facts. The participants will need the deck of cards and scratch paper for keeping score. Some children may need counters (or beans, macaroni, etc.) to make arrays when first learning their facts. Follow the directions attached with this packet or the Family Packet.

Evaluation (5 minutes):

1. Hand out the Evaluation page (Home Connections book page 65).