# Weekly Math Mania

## Date Due: Monday December 12, 2016

Topic: Proportional Reasoning (Solving proportions and Scale Drawing Focus)

**<u>YOU MUST:</u>** Rate yourself on a scale of 1 to 5 on your understanding of each standard below.
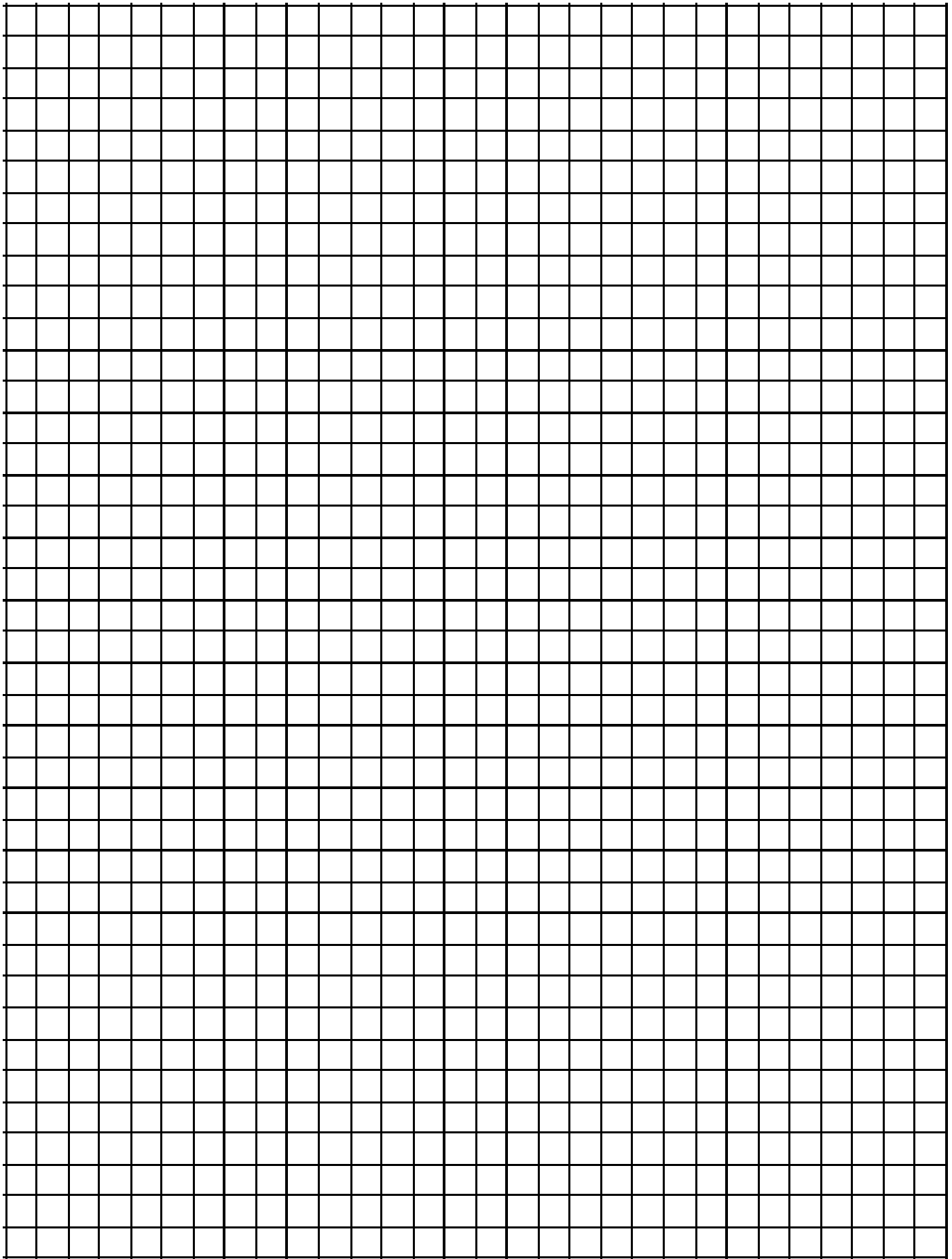**1 represents "I am clueless."**
**5 represents "I completely understand this concept."**

<u>Learning Targets</u>

|  | I can use proportions to solve problems. |
|---|---|
|  | I can solve problems using scale drawings or models. |

| **Family Engagement** | **Words at Work** |
|---|---|
| You and a family member will be creating a scale drawing on grid paper of a room in your home. You need to include the scale that you used. (You can state this on the back of the grid in the packet) Please make sure and include doorways, windows, furniture, and any other important part of the room. | Proportion<br>Cross Product<br>Scale Drawing/Model |
| **Independent Practice**<br><br>Page 49-50 problems 1-7<br>Page 69 problems 1-5<br>Page 85 problems 1-7<br>Please tear these pages out and staple it to the packet. | **Math in the Real World**<br><br>Complete the page titled "Math in the Real World" in this packet. |

Choose either the online activity or the textbook activity.

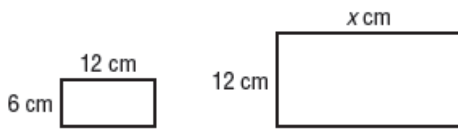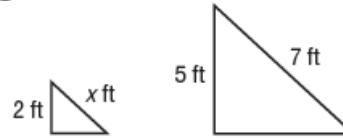| **Online Activity**<br>Go to the website<br>https://www.brainpop.com/artsandmusic/artconcepts/scaledrawing/<br>and watch the video. When your done click Take the Quiz. Write your answers done and the grade you received on the page "Online Activity OR Textbook Activity"" | **Textbook Activity**<br><br>Complete Inquiry Lab on page 583-584. Tear it out and staple it to this packet. |

# Family Engagement

# Real world Activity

**Find the value of x in each pair of similar figures.**

**3.**

12 cm
6 cm

x cm
12 cm

**4.**

5 ft
7 ft

2 ft
x ft

**5.**

15 in.
24 in.

x in.
8 in.

**6.**

12.6 mm
4.2 mm

x mm
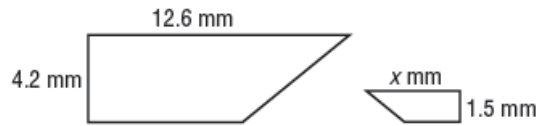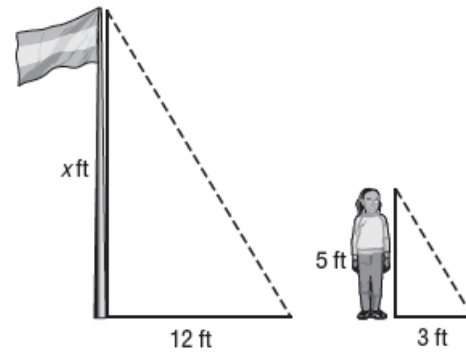1.5 mm

**7. FLAGPOLES** Tasha wants to find the height of the flagpole at school. One morning, she determines the flagpole casts a shadow of 12 feet. If Tasha is 5 feet tall and casts a shadow of 3 feet, what is the height of the flagpole?

x ft
12 ft

5 ft
3 ft

# WORDS AT WORK

| Definition | |
|---|---|
| | |
| | |
| Examples | |

| Definition | |
|---|---|
| | |
| | |
| Examples | |

# Online or Textbook Activity

Please clarify which one you did before filling out this page. If you did the textbook activity, just tear out the page and staple it to this packet

(Please write out the problem, show all of your work, and box your answer. Please be neat and organized.)