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› Hape Math Monster Scale Toy Instruction Manual

Hape E0511

Hape Math Monster Scale Toy Instruction Manual

Model: E0511

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1. OVERVIEW

The Hape Math Monster Scale Toy (Model E0511) is an engaging educational tool designed to introduce young children to basic mathematical concepts such as counting, balancing, addition, and subtraction. This 22-piece set features a friendly monster-themed balance scale and colorful monster weights, making learning fun and interactive. It is a STEM game, perfect for children to start early development of numeracy and mathematics skills, as well as promoting excellent motor skills and concentration.

Recommended Age: 3 years and up



Image: The Hape Math Monster Scale Toy, featuring a central monster figure with a balance beam and colorful monster-shaped weights.

What's Included:

- 1 Monster Balance Scale
- 9 Larger Monster Weights (numbered 2-10)
- 11 Smaller Monster Weights (numbered 1)
- 1 Storage Bag
- Instruction Manual with game examples

2. SETUP

The Hape Math Monster Scale Toy requires minimal assembly. Follow these steps to set up your scale:

1. Carefully remove all components from the packaging.
2. Identify the main monster base and the two balance arms.
3. Attach the balance arms to the sides of the monster base. Ensure they are securely clicked into place, allowing them to swing freely.
4. Place the monster feet (if separate) onto the base for stability.
5. Organize the larger numbered monster weights and the smaller '1' unit weights.



Image: All parts of the Math Monster Scale, including the main monster, balance arms, and various weights, ready for assembly.

3. OPERATING INSTRUCTIONS

The Math Monster Scale is designed to teach basic math through hands-on play. Each larger monster weight represents its corresponding number, and each small red monster weight represents '1' unit. The set includes 9 larger monster weights and 11 smaller, soft monster weights. This allows your child to take on various logical thinking challenges and learn fundamental arithmetic like addition and subtraction.

Basic Balancing:

1. Place the monster scale on a flat, stable surface.
2. Select a large numbered monster weight (e.g., the '6' monster) and place it on one of the scale's arms. Observe how the arm goes down.
3. To balance the scale, place smaller '1' unit weights or other numbered monster weights on the opposite arm until both arms are level. The arrow near the monster's eye will point to the middle when balanced.

4. Experiment with different combinations to achieve balance. For example, a '6' monster on one side can be balanced by six '1' unit monsters on the other.



Image: A close-up view of the scale in action, showing a numbered monster weight being balanced by smaller unit weights.

Learning Addition and Subtraction:

- **Addition:** Place two smaller numbered monsters (e.g., '2' and '3') on one arm. Ask the child to find a single monster that will balance them on the other arm (the '5' monster).
- **Subtraction:** Place a larger monster (e.g., '10') on one arm. Place a smaller monster (e.g., '4') on the other. Ask the child to determine how many '1' unit monsters are needed to balance the scale (six '1'

unit monsters).

- The included instruction manual provides various game examples and challenges across three difficulty levels to guide learning.



Image: Children engaging with the Math Monster Scale, demonstrating interactive learning.

4. MAINTENANCE

To ensure the longevity and safety of your Hape Math Monster Scale Toy, please follow these maintenance guidelines:

- **Cleaning:** The product's surface is made of safe and water-based paint, which does not need to be disinfected. It can be dissolved in water. Do not use alcohol to wipe, do not wash, just wipe gently with a dry and wet cloth!
- **Storage:** Store all components, especially the smaller '1' unit weights, in the provided cloth bag to prevent loss and keep the set organized.
- **Inspection:** Regularly inspect the toy for any signs of wear or damage. Discontinue use if any parts are broken or compromised to prevent potential hazards.

5. TROUBLESHOOTING

- **Scale Not Balancing Correctly:**
 - Ensure the scale is placed on a completely flat and stable surface. Uneven surfaces can affect accuracy.
 - Verify that the balance arms are properly attached and can swing freely without obstruction.
 - Check that the correct number of weights are being used according to the mathematical problem or game level.
- **Missing Pieces:**

- Refer to the "What's Included" section to confirm all pieces are present.
- Contact Hape customer support if any essential components are missing from your new set.

6. SPECIFICATIONS

Product Dimensions	15.04 x 5.59 x 7.09 inches
Item Weight	1.1 pounds
Model Number	E0511
Recommended Age	3 years and up
Materials	Plywood, MDF, HIPS, ABS, PVC
Batteries Required	No
Total Pieces	22

7. WARRANTY & SUPPORT

Hape products are manufactured to high-quality standards. For information regarding warranty, returns, or customer support, please refer to the official Hape website or contact their customer service department directly. Keep your proof of purchase for any warranty claims.

Hape Official Website: [Visit the Hape Store on Amazon](#)