Lesson # 53

Solve Addition and Subtraction Inequalities and Polyhedrons

Date

Warmup

1. Solve and Check

$t + 5.6 = 1.5$

2. Solve and Check

$c - 3 = 1$

3. Write the inequality for each word phrase

X is fewer than 4 _____

X exceeds 4 _____

X is at least 4 _____

X is no more than 4 _____

Lesson # 53

Solve Addition and Subtraction Inequalities and Polyhedrons

Date

I. Solving Addition Inequalities

II. Solving Subtraction Inequalities

III. Polyhedrons

Homeschool Honor Roll
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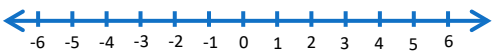
Pre-Algebra and Geometry I
Wendy Harper
www.HsHonorRoll.com

I. Solving Addition Inequalities

Solve and Graph:

$H + 3 \geq 8$

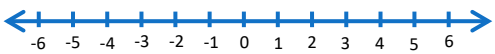


To solve an addition Inequality

1. Rewrite the Inequality with an = sign.
2. Solve for the Variable.
3. Use a test variable to check the answer.

4. Solve and Graph:

$m + 5 > 8$

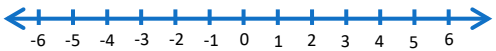


5.

II. Solving Subtraction Inequalities

Solve and Graph:

$s - 10 < -8$

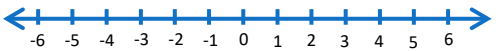


Solve a subtraction inequality

1. Rewrite the Inequality with an = sign.
2. Solve for the Variable.
3. Use a test variable to check the answer.

6. Solve and Graph:

$p - 5 > 1$



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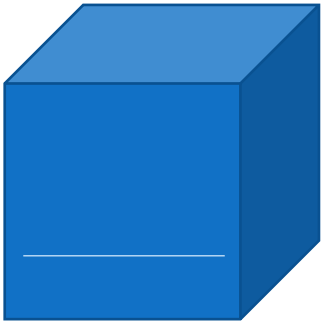
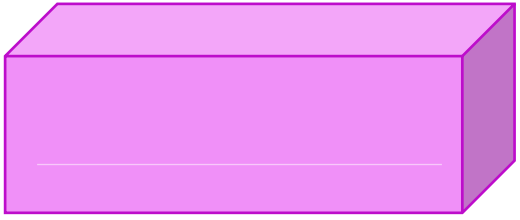
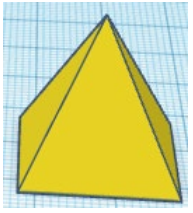
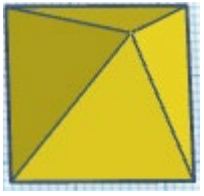
III. Polyhedrons

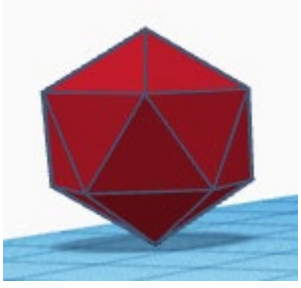


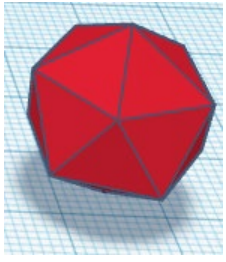
Polyhedron: A polyhedron is a 3-Dimensional shape made of four or more polygons. It has length, width, and height.





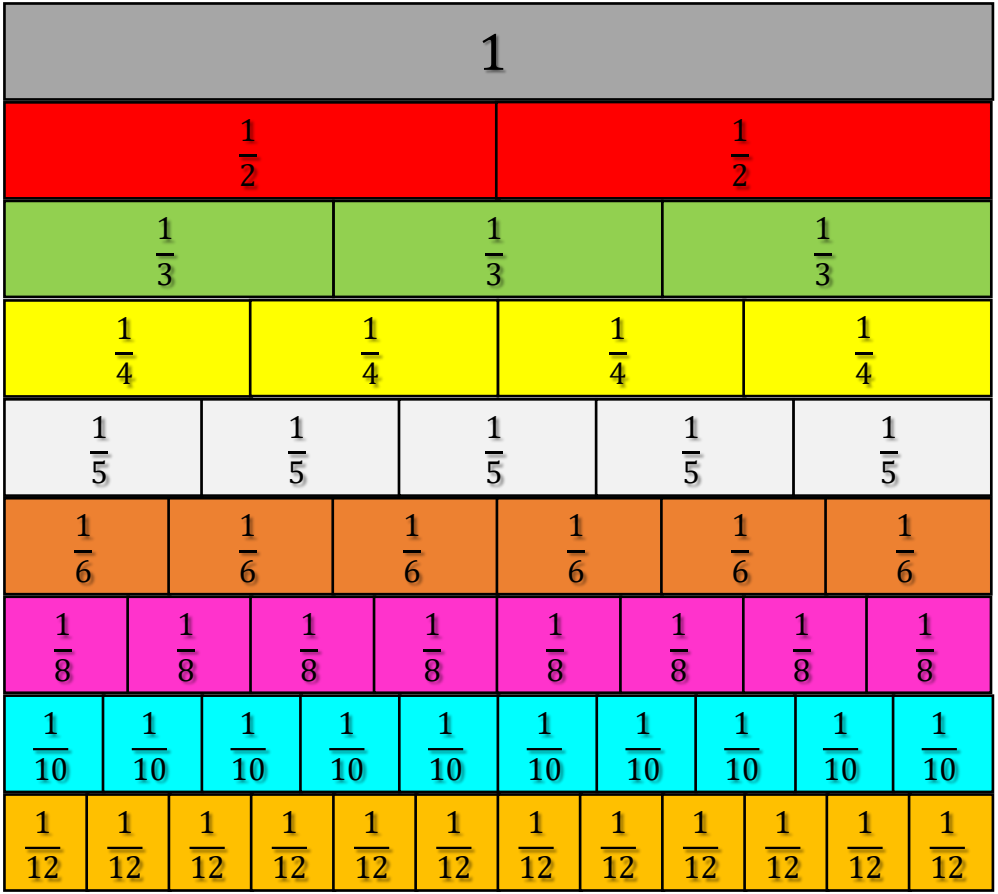






Draw a Cube

Many 3-Dimensional Shapes are NOT polyhedrons.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