2023 - 2024
Mr. Nihart

04/07/2024 - 04/13/2024

Monday 04/08/2024

7th Grade

8.3 - Area of Composite Figures

Learning Target

Students will be able to find the area of composite figures - figures made up of two or more shapes.

Standards

7.G.6 Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.

Instruction

Warm Up: #111
Vocab: composite figure, parallelogram, trapezoid, triangle
- talk about the definitions and characteristics of all shapes (use Review of Quadrilateral's Flipchart in Ch. 8 Folder)
- walk through an example of how to find the area of each
- walk through examples 1 - 4 together
- students do Guided Practice with partner
- start on 8.3 Go Formative (instant check)

Tuesday 04/09/2024

7th Grade

8.3 - Area of Composite Figures (3rd Period)

Learning Target

Students will be able to find the area of composite figures - figures made up of two or more shapes.

Standards

7.G.6 Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.

Instruction

Warm Up: #112
Vocab: composite figure, trapezoid, parallelogram, triangle, circle
1st Period:
- No class due to first two periods being used for SBAC Testing
3rd Period:
- class practice #7 on p.635 and #10 - 11 on p. 636
- left over time to finish 8.3 Go Formative (instant check)

Assessment

Finish 8.3 Go Formative

8th Grade

8.1 - Volume of Cylinders

Wednesday 04/10/2024

7th Grade

No Classes - SBAC Testing

Learning Target

Students will be able to find the area of composite figures - figures made up of two or more shapes.

Instruction

Warm Up: #112
Vocab: composite figure, trapezoid, parallelogram, triangle, circle
1st Period:
- class practice #7 on p.635 and #10 - 11 on p. 636
- left over time to finish 8.3 Go Formative (instant check)
3rd Period:
- no class due to ELA SBAC testing

Assessment

Finish 8.3 Go Formative

8th Grade

8.2 - Volume of Cones

Learning Target

Students will be able to find the volume of cones.

Standards

8.G.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.

Instruction

Thursday 04/11/2024

7th Grade

8.3 - Area of Composite Figures

Learning Target

Students will be able to find the area of composite figures - figures made up of two or more shapes.

Instruction

Warm Up: #113
Vocab: composite figure, parallelogram, trapezoid, triangle
1st Period
- walk through 2 examples
- 8.1 - 8.3 Pop Quiz
- rest of the time to finish the 8.3 Go Formative
3rd Period
- use a couple of the 8.3 Scavenger Hunt problems to practice
- 8.1 - 8.3 pop quiz

Assessment

1st Period:
Finish the 8.3 Go Formative

8th Grade

8.2 - Volume of Cones

Learning Target

Students will be able to find the volume of cones.

Standards

8.G.9 Know the formulas for the volumes of cones,

Friday 04/12/2024

No School Day

No School Day

- pass out 8.3 work paper for students to show their steps/ calculations

Assessment

8.3 Go Formative

http://www.teacherspayteachers.com/Product/Area-of-Composite-Figures-Activity-Worksheet-3676445?st=0fa045adfbfe160bb1eabfa9e0564e38

http://www.teacherspayteachers.com/Product/Area-and-Perimeter-of-Composite-Figures-Cut-and-Paste-Puzzle-3059393?st=b3f043849c14f0accb42945f0421b639

8th Grade

8.1 - Volume of Cylinders

Learning Target

Students will be able to find the volume of cylinders.

Standards

8.G.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.

Instruction

Warm Up: #112
Vocab: volume, cylinder, radius, diameter
- activity to derive formula: volume of prism, discuss area of base, derive formula for cylinder

Learning Target

Students will be to find the volume of cylinders in real-world scenarios.

Standards

8.G.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.

Instruction

Warm Up: #113
Vocab: volume, cylinder, radius, diameter
- Check p. 593 (all) discuss 4 Go Formative: Problem Solving With Volume of Cylinders
- first 6 questions teacher paced (class examples: finding % of the total volume, finding the height of a cylinder with given volume)
- next 5 questions individual paced for homework

Assessment

Problem Solving w/Volume of Cylinders Go Form. #7 - 11

Warm Up: #115
Vocab: cone, radius
4th Period
- discover the formula for a cone by comparing a cylinder/filter problem
- use intro video: http://www.youtube.com/watch?v=O2wenAIf0H8
- walk through examples 1 - 3 on p. 598 - 599
- We do: #5 (p. 600) and example on p. 599
- students practice using the Independent Practice Problems
- Self-Check Quiz as Exit Ticket

6th/7th Period
- no class due to SBAC testing schedule

Assessment

None

Study Guide found in Ch. 8 folder

cylinders, and spheres and use them to solve real-world and mathematical problems.

Instruction

Warm Up: #116
Vocab: cone, radius
4th Period
- 8.2 H.O.T Problem Day
- discuss how to find height and slant height when given a cone's volume
- 8.2 Exit Ticket (Go Formative)

6th/7th Period
- discover the formula for a cone by comparing a cylinder/filter problem
- use intro video: http://www.youtube.com/watch?v=O2wenAIf0H8
- walk through examples 1 - 3 on p. 598 - 599
- We do: #5 (p. 600) and example on p. 599
- 8.2 Exit Ticket (Go Formative)

Assessment

None

- walk through examples 1 - 4 and Got It ?'s on p. 590 - 592
- We do: #3 on guided practice p. 592
- They do: Independent Practice p. 593 (all)

Assessment

Independent Practice p. 593 (all)

Dan Meyer's 3 Act Math: http://www.101qs.com/3896
Dan Meyer's 3 Act Math: http://threeacts.mrmeyer.com/popcornpicker/