Geometry Unit 1, part b: Area

Bronx Early College Academy

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19-23 September 2022

1.8 Area 19 September

1.9 Rounding and circle area 20 September

1.10 Precision 21 September

1.11 Review 22 September

1.12 Unit test: Segments, length, area 23 September

Learning Target: I can calculate areas

CCSS: HSG.CO.A.1 Know precise geometric definitions 1.8 Monday 19 Sept

Do Now: Practice unit conversion

1. How many days are in a week?
2. Find the number of weeks in 365 days.
   (show calculation with units)

Quiz results

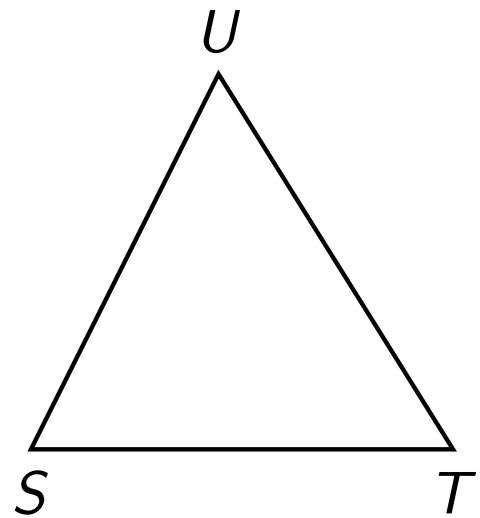
Lesson: Rectangle, triangle, parallelogram area formulas

Extension: Scientific notation

Learning Target: I can calculate the area of a circle

CCSS: HSG.CO.A.1 Know precise geometric definitions 1.9 Tuesday 20 Sept

Do Now: Find the area of a triangle with base $b = 10$ inches and height $h = 8$ in.



Lesson: Area of a circle, π, decimals, powers of ten, rounding

Extension: Significant figures

Learning Target: I can quantify error in calculations

CCSS: HSG.CO.A.1 Know precise geometric definitions 1.10 Wednesday 21 Sept

Do Now: Find the area of a circle with radius $b = 10$ centimeters, rounding to the nearest whole number.
circle image
Lesson: Percent error formula

Extension: Confidence intervals

Learning Target: I can study together with my classmates

CCSS: HSG.CO.A.1 Know precise geometric definitions 1.11 Thursday 22 Sept

Do Now: Find the area of a circle with radius $b = 10$ centimeters, rounding to the nearest whole number.

circle image

Lesson: Peer review, notebook check, homework inventory due

Unit test tomorrow

Groupwork review for test tomorrow

"Roundtable" of four students, with four topics assigned

Geometry skills to study / teach

1. Conventions: terminology, notation, diagramming
2. Modeling situations with algebra
3. Perimeter and special shapes:
   - Scalene, isosceles, and equilateral $\triangle$s
   - Squares, rectangles, parallelograms, trapezoids, rhombuses, kites (quadrilateral side $\cong$s will be marked)
4. Solving algebraic equations for one variable

Learning Target: I can quantify length and area

CCSS: HSG.CO.A.1 Know precise geometric definitions 1.12 Friday 23 Sept

Unit test