

MATH TEKS TEST REVIEW



a complete 10+ day test prep unit

comprehensive, ready-to-go test review unit

MATH TEKS REVIEW INSTRUCTIONS AND IMPLEMENTATION

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The following items have been included in the Math STAAR Review pack.

TOPIC	STANDARDS	ACTIVITY
Numbers and Operations	7.2A, 7.3A, 7.3B	Task Cards
Proportional Relationships	7.4B, 7.4D, 7.4E	Scavenger Hunt
Proportionality and Similar Shapes	7.5A, 7.5B, 7.5C	He Said, She Said
Equations and Inequalities	7.10A, 7.10B, 7.10C, 7.11A, 7.11B	Puzzle
Linear Relationships	7.4A, 7.4C, 7.7A,	Four Corners
Personal Financial Literacy	7.13A, 7.13B, 7.13C, 7.13D, 7.13E, 7.13F	Stations
Probability	7.6A, 7.6C, 7.6D, 7.6E, 7.6H, 7.6I	Spin to 10
2D Geometry	7.9B, 7.9C, 7.11C	Scavenger Hunt
Volume and Surface Area	7.9A, 7.9D	Cut and Paste
Data and Statistics	7.6G, 7.12A, 7.12B, 7.12C	Find It, Fix It

Additionally, the same content has been formatted for easier printing by placing all of the like materials in one file. For example, all of the quizzes together, all of the activities together, all of the warm-ups together, etc.

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2D GEOMETRY TEACHER GUIDE

STANDARDS

READINESS

7.9B Determine the circumference and area of circles

7.9C Determine the area and composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles

SUPPORTING

7.11C Write and solve equations using geometry concepts, including the sum of the angles in a triangle, and angle relationships

VOCABULARY & KEYWORDS

- area: the size of a two-dimensional surface
- circumference: the distance around a circle
- complementary angles: two angles which have a sum of 90°
- composite figure: a figure that can be divided into two or more basic shapes
- diameter: the distance from one endpoint to another that passes through the center of a circle
- equilateral triangle: a triangle with three equal side lengths and equal angle measures
- isosceles triangle: a triangle with two equal side lengths and two equal side measures
- radius: the distance from the center of the circle to a point on the circle
- supplementary angles: two angles which have a sum of 180°

COMMON MISTAKES & MISCONCEPTIONS

- Students may use the wrong formula, encourage them and have them practice with the formula chart.
- Students may make computation errors when multiplying by pi.
- Students may not complete a multi-step problem that the question is asking.

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teacher guides
includes:



standards



vocabulary

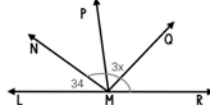


misconceptions

2D GEOMETRY WARM-UP

Name _____
Date _____ Pd _____

1. Angle LMN and angle NMR are supplementary angles. What is the value of x in the diagram below?



2. A square is inscribed within a circle with a radius of 6 cm. What is the area of the shaded portion of the figure below?



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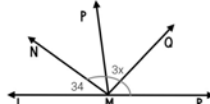
2 warm-up
questions
per topic



2D GEOMETRY WARM-UP

Name _____
Date _____ Pd _____

1. Angle LMN and angle NMR are supplementary angles. What is the value of x in the diagram below?



2. A square is inscribed within a circle with a radius of 6 cm. What is the area of the shaded portion of the figure below?



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cheat sheets cover
key concepts

2D GEOMETRY
CHEAT SHEET - A

Name _____
Date _____ Pd _____

POLYGONS

AREA OF A TRIANGLE = $\frac{b \cdot h}{2}$

QUADRILATERALS

$A = b \cdot h$ $A = b \cdot h$ $A = \frac{b_1 + b_2}{2} \cdot h$

CIRCLES

CIRCUMFERENCE: $C = \pi d$ AREA: $A = \pi r^2$

The AREA of a SEMICIRCLE can be found by DIVIDING THE AREA of the

COMPOSITE FIGURE: a figure that can be broken down into basic shapes.

Find the AREA of the various shapes.

ANGLE RELATIONSHIPS

The THREE ANGLES in a triangle have a SUM OF 180°

$x + 33 + 75 = 180$
 $x + 108 = 180$
 $x = 72$

2D GEOMETRY
CHEAT SHEET - B

Name _____
Date _____ Pd _____

POLYGONS

TRIANGLES

QUADRILATERALS

$A = b \cdot h$ $A = b \cdot h$ $A = \frac{b_1 + b_2}{2} \cdot h$

CIRCLES

CIRCUMFERENCE: $C = \pi d$ AREA: $A = \pi r^2$

The AREA of a SEMICIRCLE can be found by DIVIDING THE AREA of the

COMPOSITE FIGURE: a figure that can be broken down into basic shapes.

Find the _____ of the various shapes.

ANGLE RELATIONSHIPS

The _____ triangle have a _____

$x + 33 + 75 = 180$
 $x + 108 = 180$
 $x = 72$

2D GEOMETRY
CHEAT SHEET - C

Name _____
Date _____ Pd _____

POLYGONS

CIRCLES

COMPOSITE FIGURES

ANGLE RELATIONSHIPS

3 scaffolded
versions



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assessments with 8-10 questions


2D GEOMETRY
QUICK CHECK

Name _____
Date _____ Pd _____

1. In PE a parachute is laid out on the gym floor. The parachute has a radius of 16 feet. Which measurement is closest to the circumference of the parachute in feet?

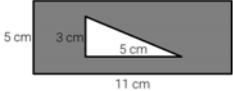
A. 100.48 ft² B. 198.4 ft² C. 49.6 ft² D. 803.84 ft²

2. A coffee shop sign is in the shape of a circle. The sign measures 18 inches across in diameter. Which measurement is closest to the area of the sign in square inches?



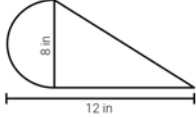
F. 56.52 in² G. 101.36 in² H. 188.78 in² J. 254.34 in²

3. A triangle is inscribed in a rectangle, as shown below. What is the area of the shaded region?



A. 40 cm² B. 62.5 cm² C. 47.5 cm² D. 22.75 cm²

4. Using various puzzle pieces, Marco forms the figure below. What is the best estimate of the area of the figure?



F. 146.24 in² G. 76.82 in² H. 98.24 in² J. 122.58 in²

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- ✓ multiple choice
- ✓ griddable
- ✓ Google Forms™ version included

2D GEOMETRY
ANSWER KEYS

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answer keys included

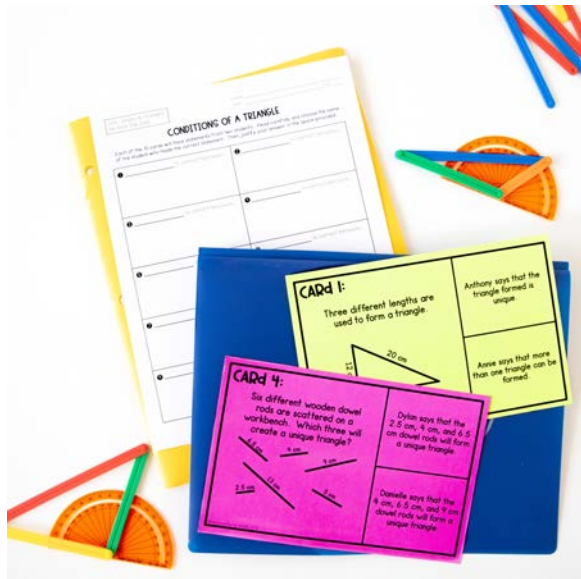


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10 easy-to-prep activities



he said, she said
error analysis activity



scavenger hunt
great for partner work



task cards
variety of uses



puzzle activity
make math hands-on

scavenger hunt - task cards - he said, she said - find it, fix it - stations
spin to ten - four corners - puzzle activity - cut and paste

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