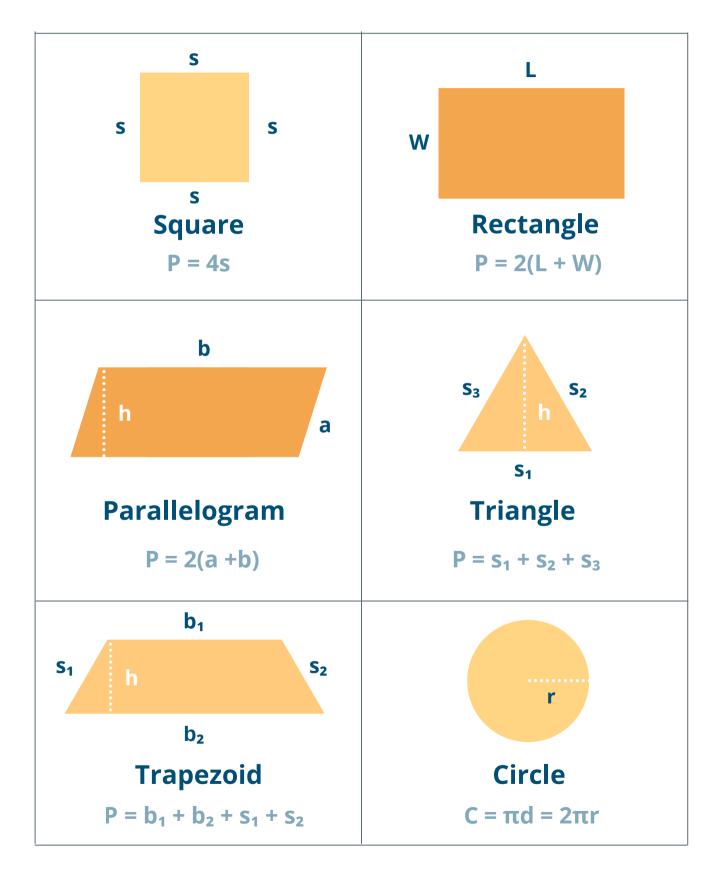
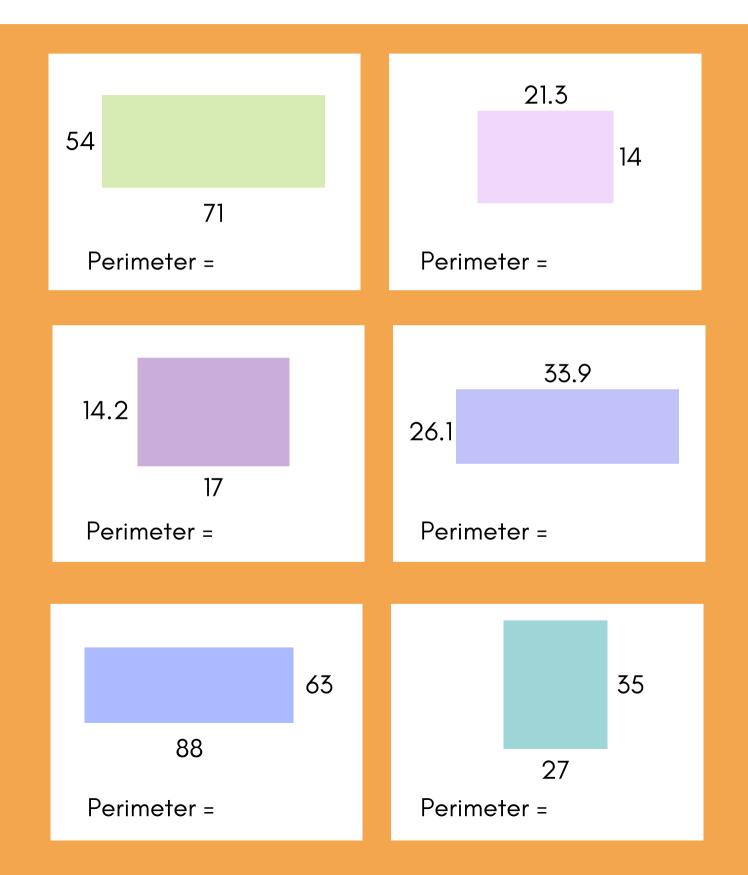
DIAMOND TUTORING PERIMETER FORMULAS

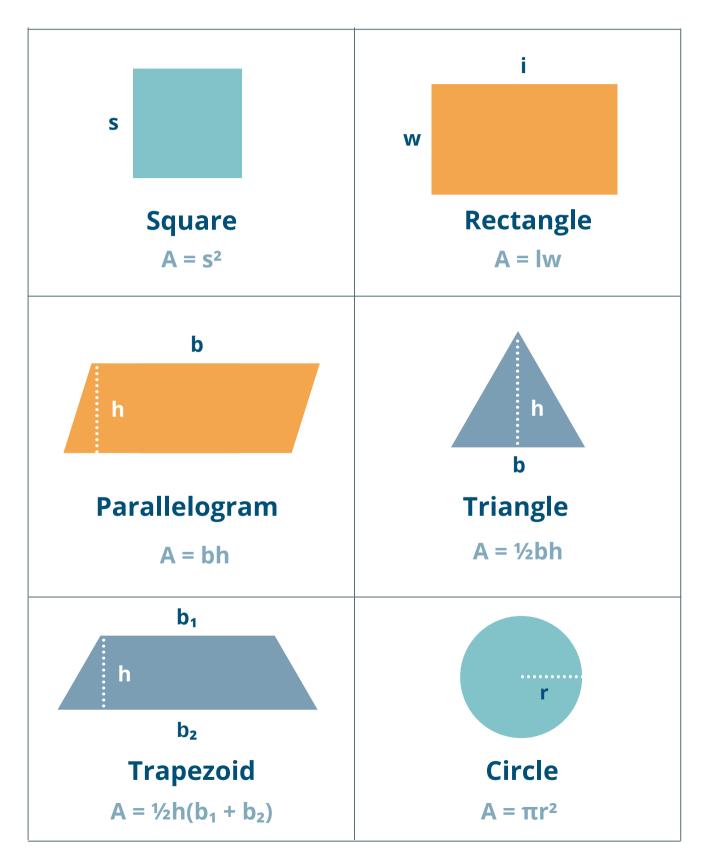


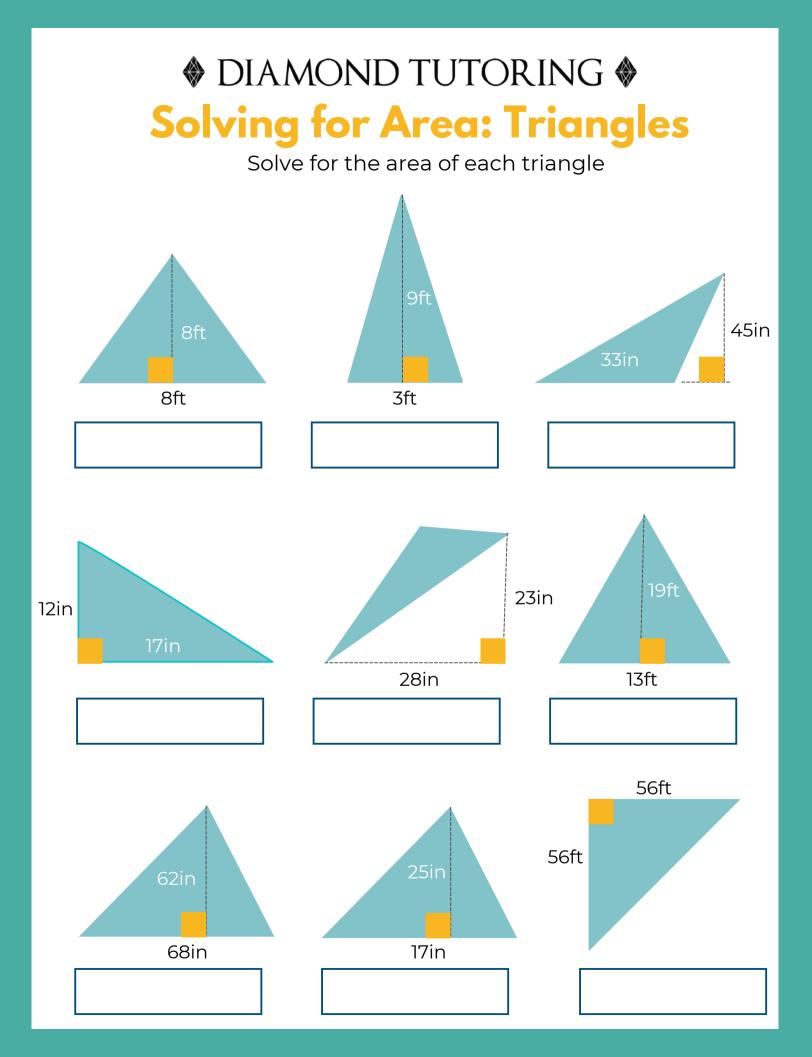
DIAMOND TUTORING PERIMETER OF A RECTANGLE

Find the perimeter of each rectangle.



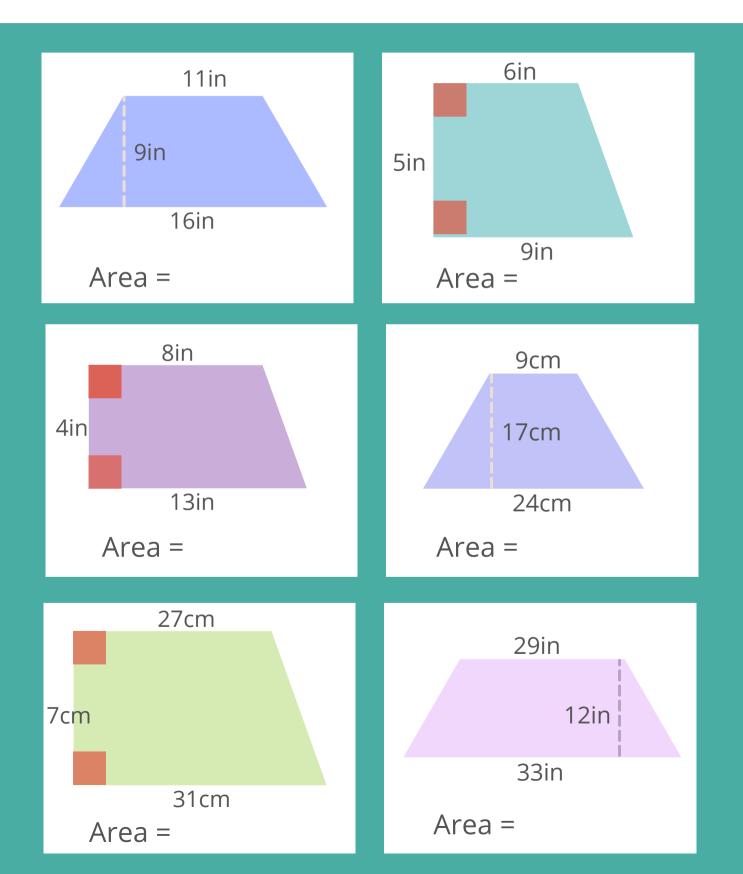
DIAMOND TUTORING AREA FORMULAS





DIAMOND TUTORING AREA OF A TRAPEZOID

Find the area of each trapezoid.



TYPES OF TRAPEZOIDS

D



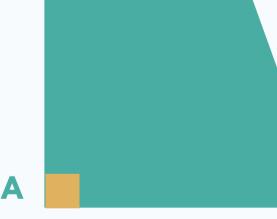
Isosceles Trapezoids:

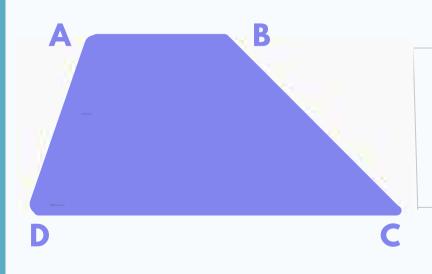
Trapezoids with equal leg lengths (the non-parallel sides)

С

R

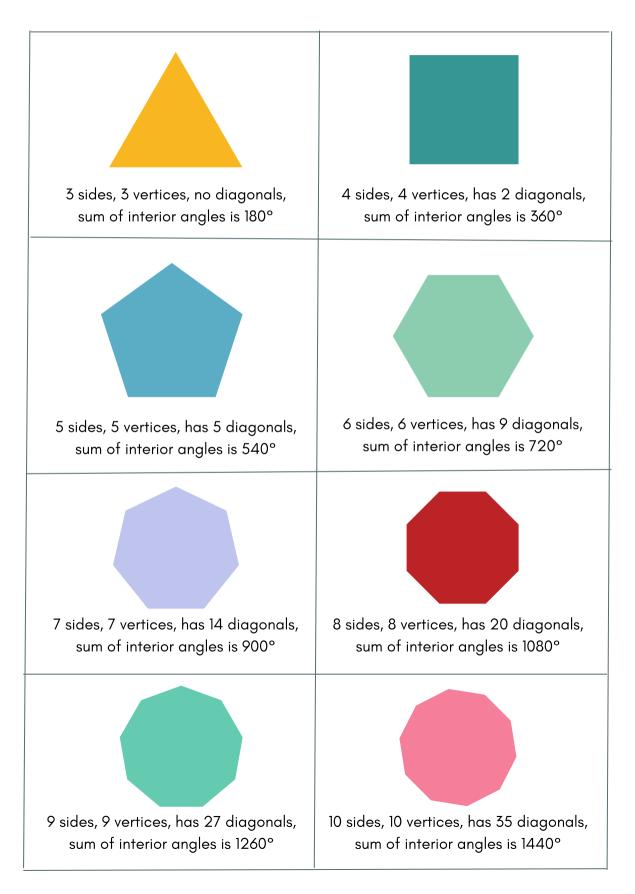
Right Trapezoids: Trapezoids that have one pair of right angles





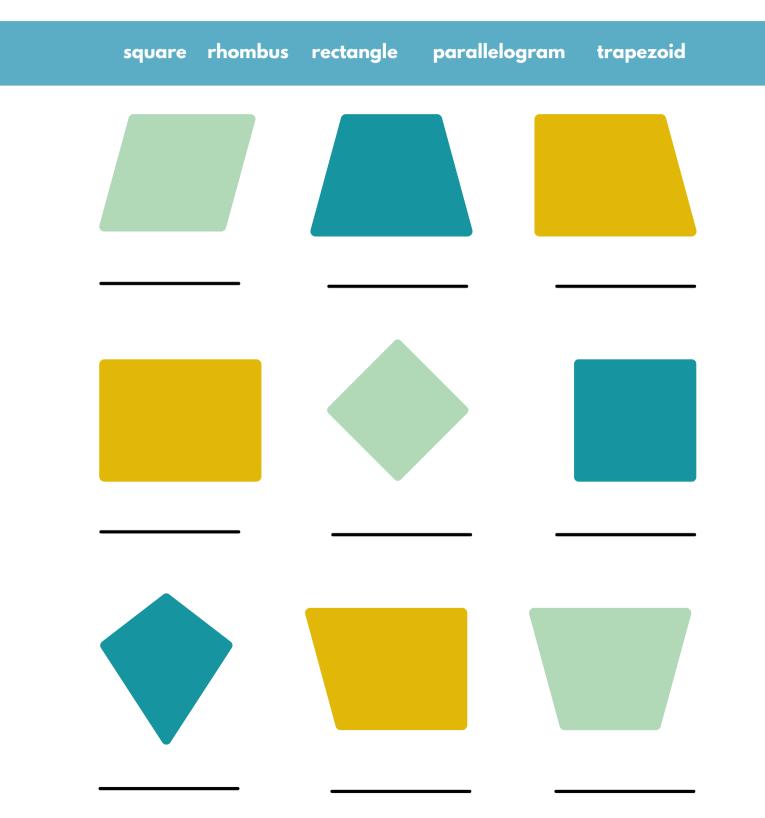
Scalene Trapezoids Trapezoids that do not have equal sides or angles

DIAMOND TUTORING TYPES OF POLYGONS

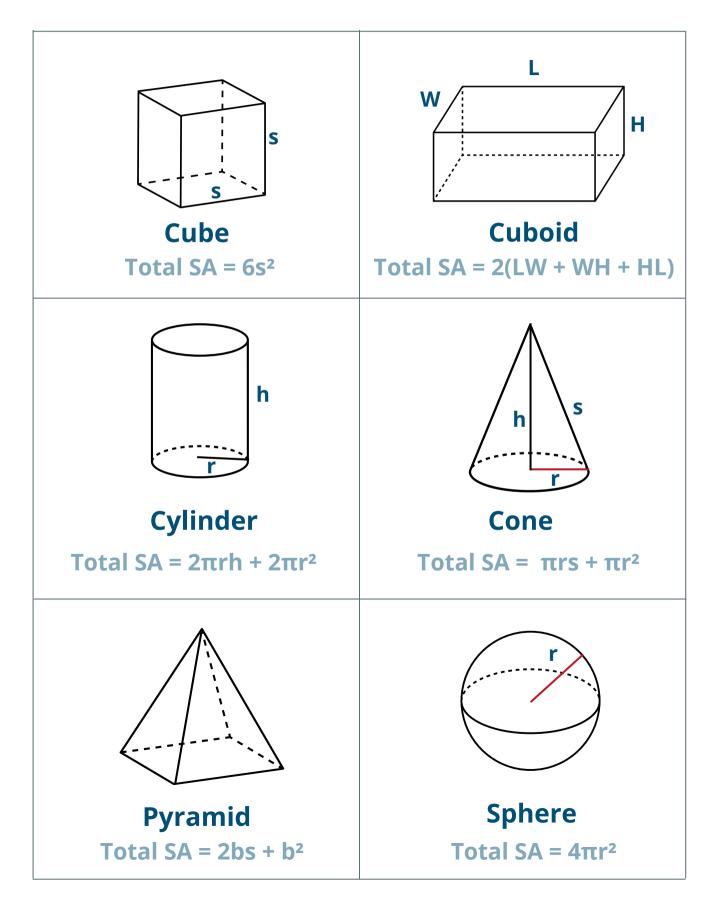


DIAMOND TUTORING Classifying Quadrilaterals

Write the name of each quadrilateral

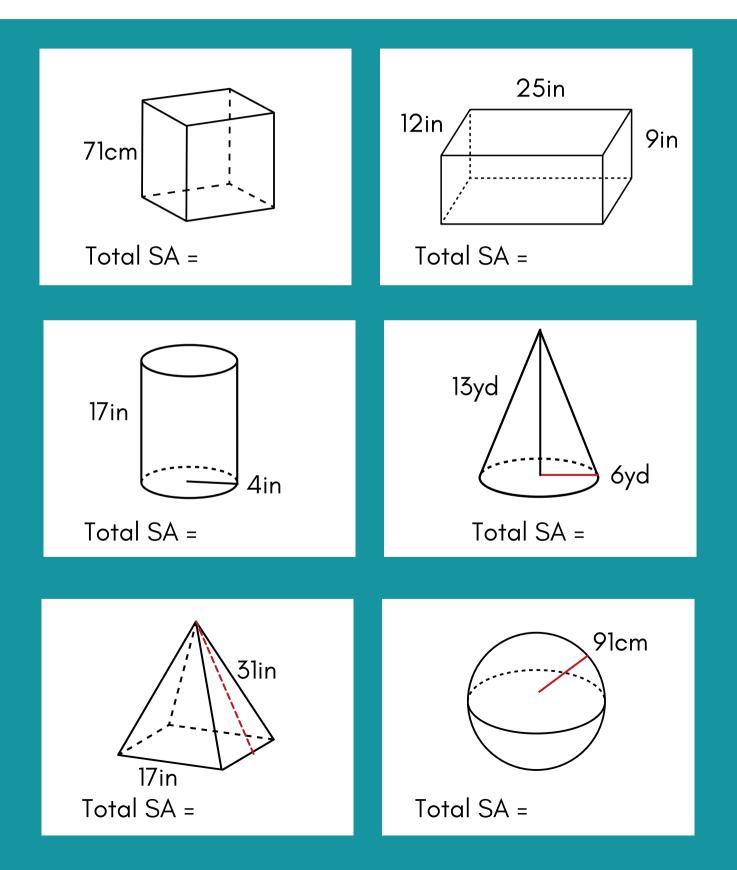


DIAMOND TUTORING SURFACE AREA FORMULAS



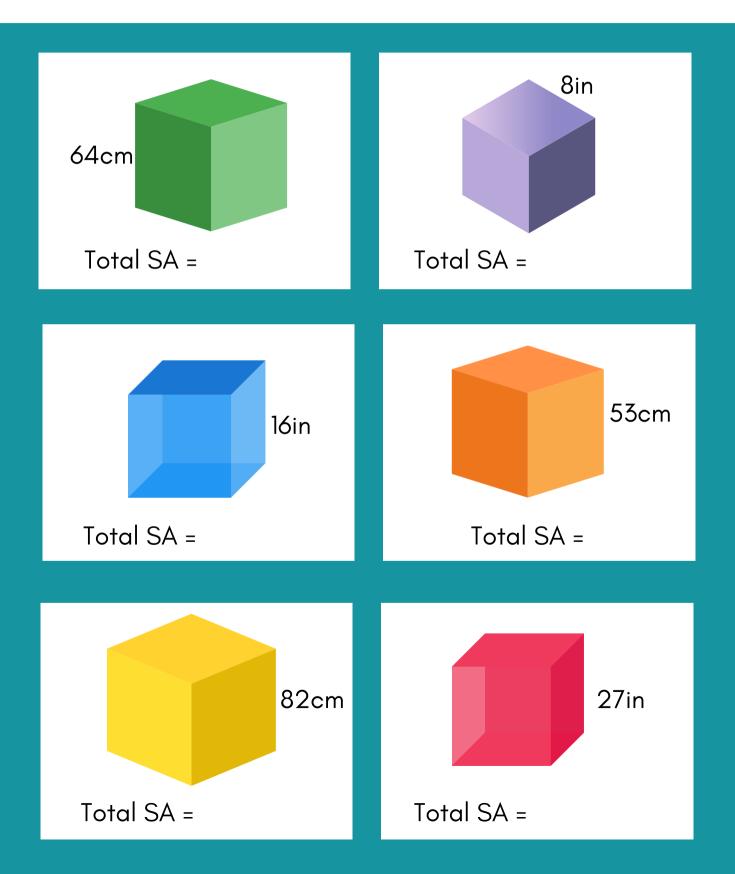
DIAMOND TUTORING SURFACE AREA PRACTICE

Find the total surface area of each shape



DIAMOND TUTORING SURFACE AREA OF A CUBE

Find the total surface area of each cube



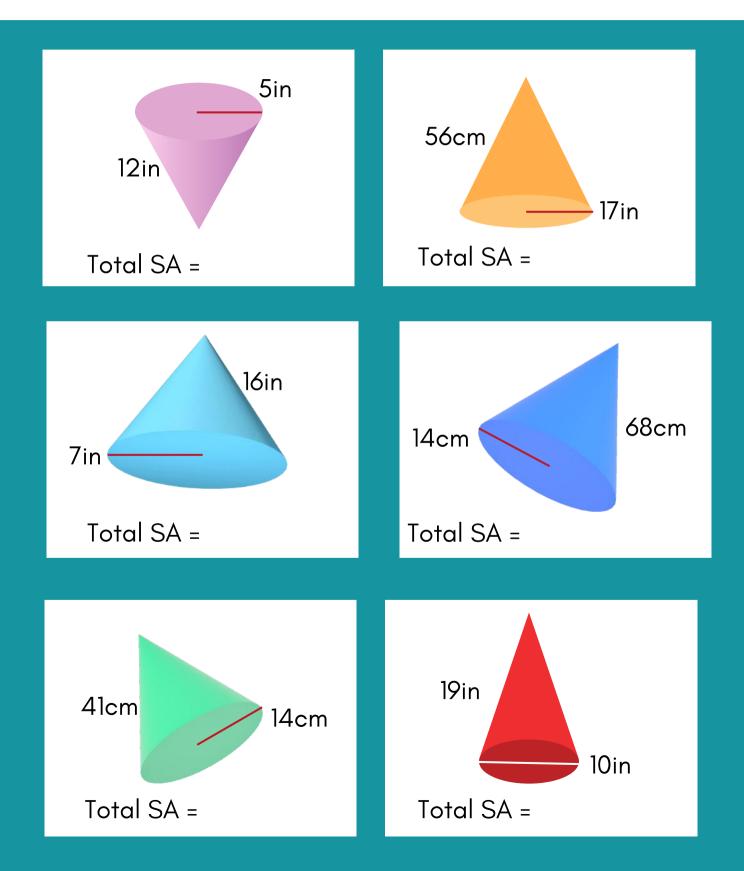
DIAMOND TUTORING SURFACE AREA OF A CYLINDER

Find the total surface area of each cylinder

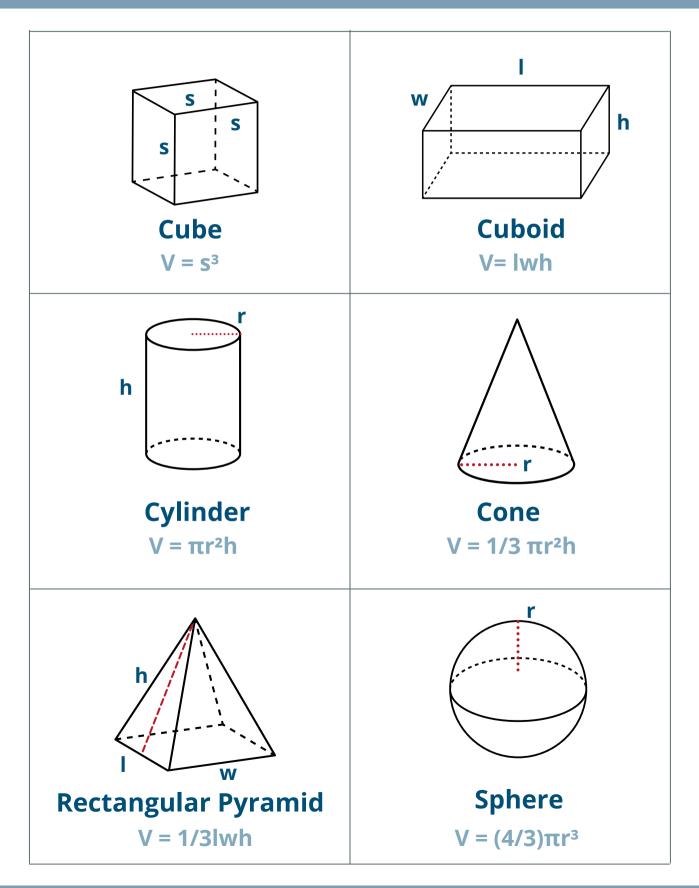


DIAMOND TUTORING SURFACE AREA OF A CONE

Find the total surface area of each cone

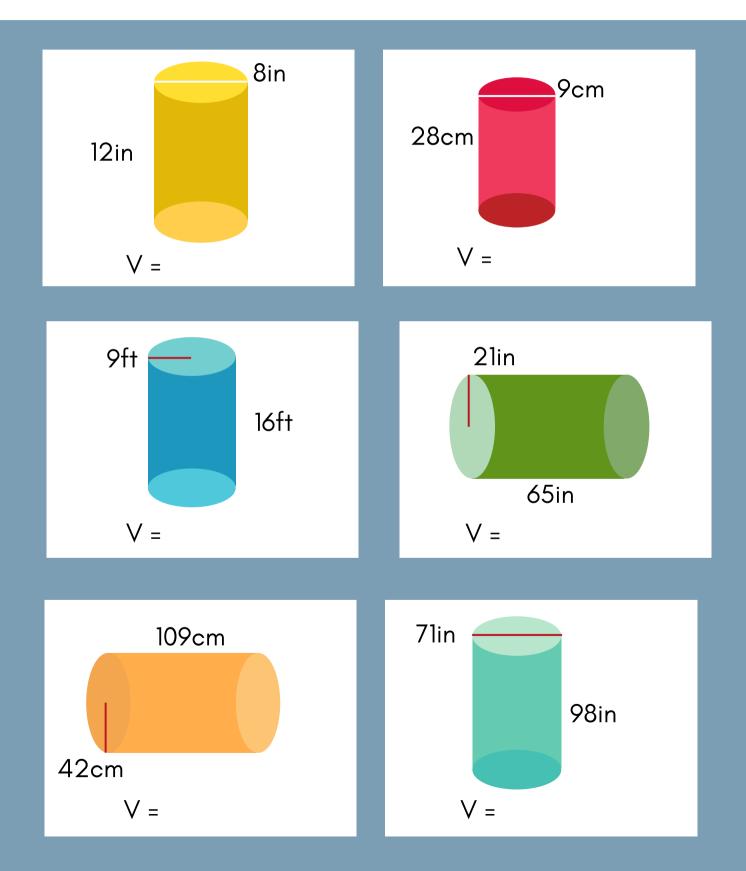


DIAMOND TUTORING VOLUME FORMULAS



DIAMOND TUTORING VOLUME OF A CYLINDER

Find the total surface area of each cylinder



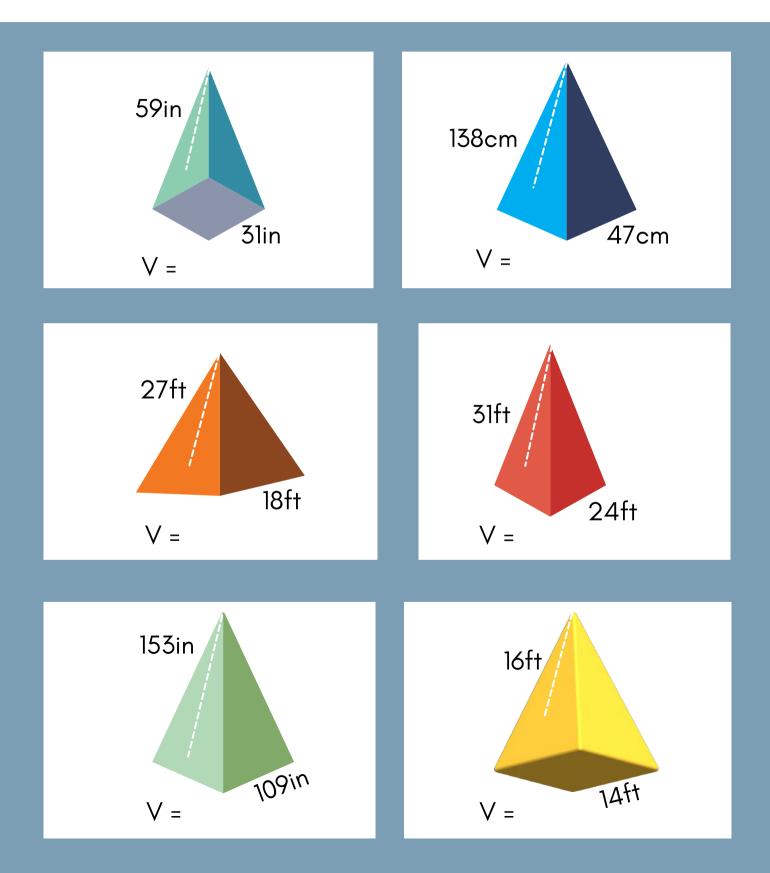
DIAMOND TUTORING VOLUME OF A CONE

Find the volume of each cone



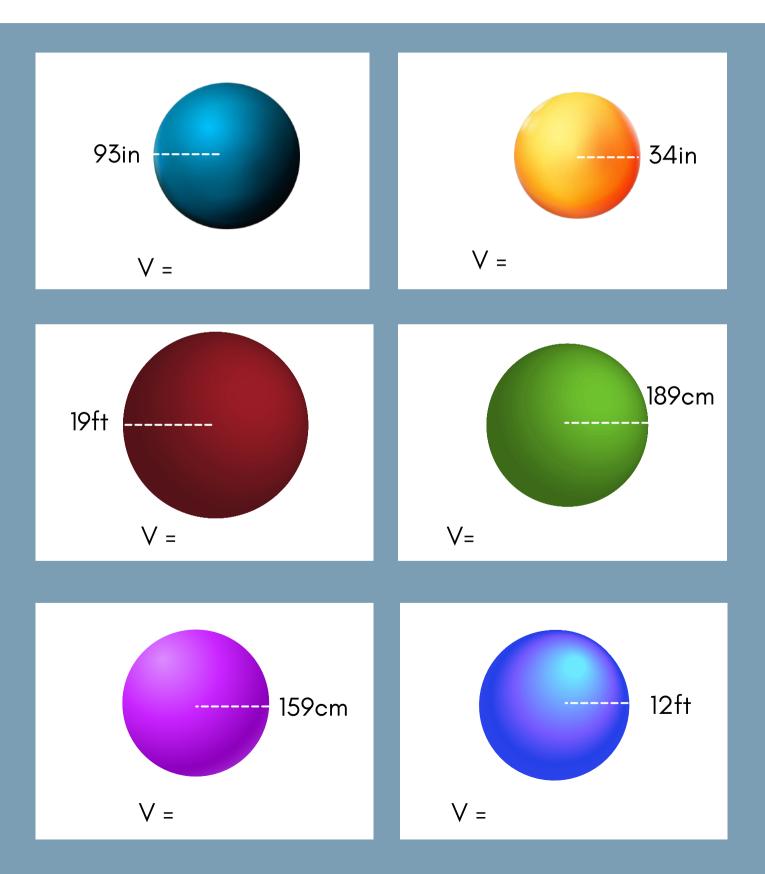
DIAMOND TUTORING VOLUME OF PYRAMID

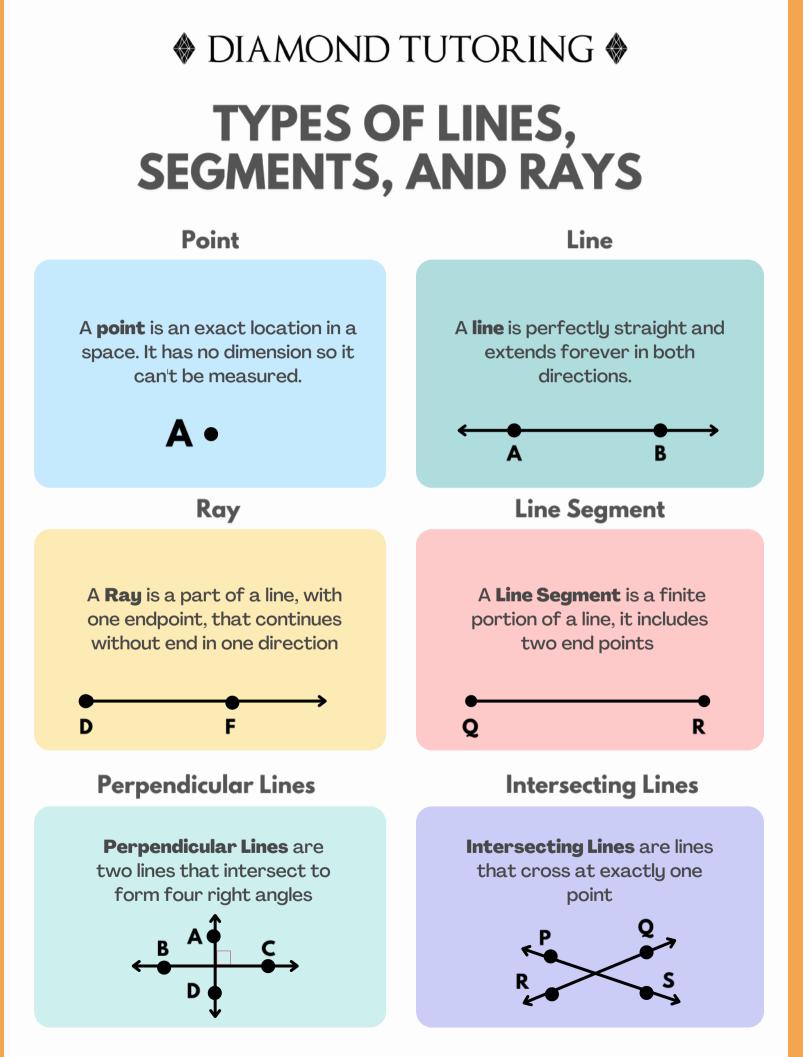
Find the volume of each pyramid



DIAMOND TUTORINGVOLUME OF A SPHERE

Find the total surface area of each cone

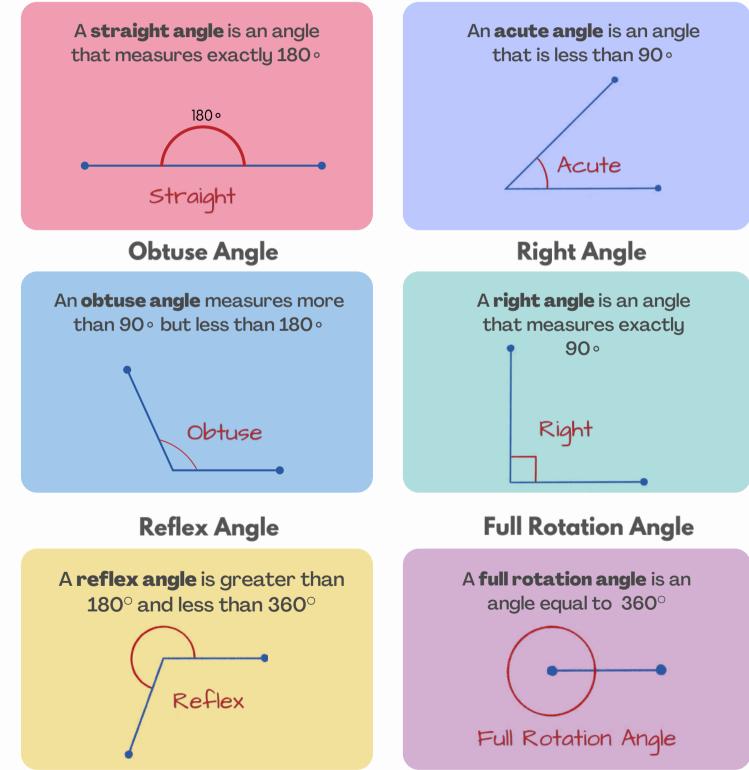




DIAMOND TUTORING TYPES OF ANGLES

Acute Angle

Straight Angle

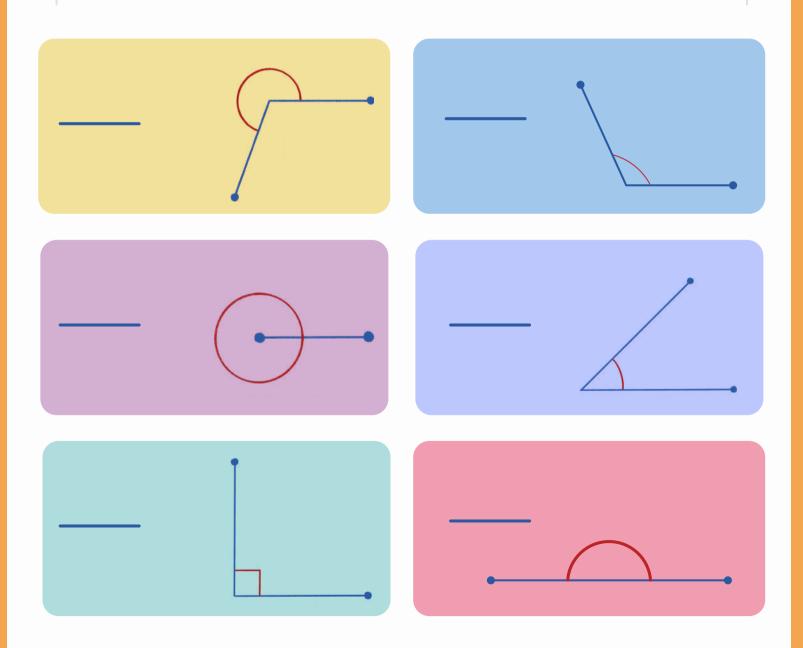


DIAMOND TUTORING TYPES OF ANGLES

Match the correct number for each angle

1. Right Angle 2. Obtuse Angle 3. Straight Angle

4. Acute Angle 5. Full Rotation Angle 6. Reflex Angle



DIAMOND TUTORING ANGLE IDENTIFICATION

- Acute triangles have three angles less than 90°
- Obtuse triangles have one obtuse angle greater than 90°
- Right triangles have one 90° angle
- Equilateral triangles have three equal angles
- Isosceles triangles have two equal angles
- Scalene triangles have no equal angles

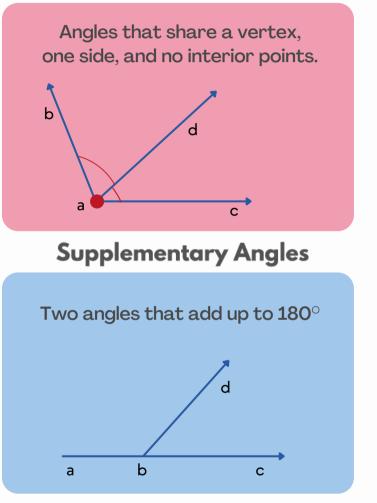
Name each of these triangles using its angles.

1. Triangle ABC has angles that measure 100°, 40°, and 40°	
2. Triangle DEF has angles that measure 60°, 70°, and 50°	
3. Triangle GHI has angles that measure 60°, 60°, and 60°	

- 4. Triangle JKL has angles that measure 110°, 30°, and 40°
- 5. Triangle MNO has angles that measure 90°, 45°, and 45°
- 6. Triangle PQR has angles that measure 90°, 40°, and 50°
- 7. Triangle STU has angles that measure 80°, 50°, and 50°
- 8.Triangle VWX has angles that measure 130°, 30°, and 20°

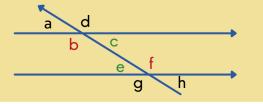
DIAMOND TUTORING TYPES OF ANGLE PAIRS

Adjacent Angles

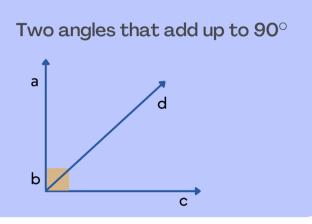


Alternate Interior Angles

When a transversal intersects a pair of lines, alternate interior angles are formed on opposite sides of the transversal

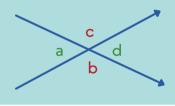


Complementary Angles



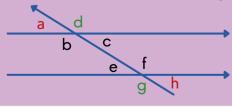
Vertical Angles

When two lines intersect two pairs of congruent angles are formed (Angles are opposite to each other)



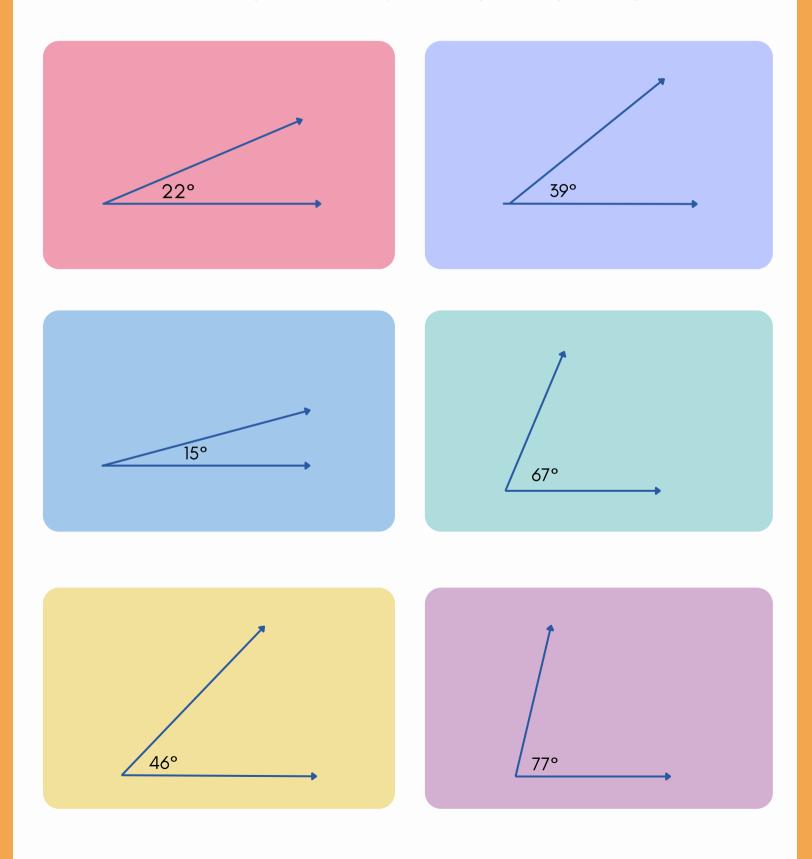
Alternate Exterior Angles

When two lines are crossed by a transversal, the opposite angle pairs on the outside of the lines are alternate exterior angles.



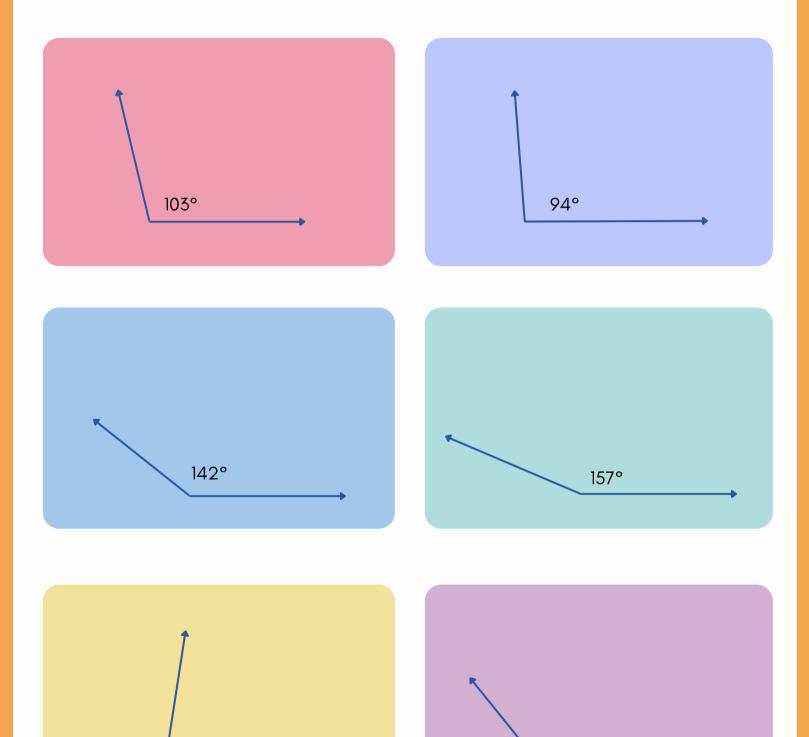
DIAMOND TUTORING COMPLEMENTARY ANGLES

Draw an angle that is complementary to the given angle



DIAMOND TUTORING SUPPLEMENTARY ANGLES

Draw an angle that is complementary to the given angle



129°

81°