Name _____ Date _____ Period _____

LESSON 5-6 · WARM-UP

Warm-Up Practice

Represent Three-Dimensional Figures in Two Dimensions

THE MOVE

what this page practices

Count the faces of a named solid and pair the matching ones

Name the solid, count its faces, then match the faces that are the same size. Each pair is two faces.

Find the area of one face

A flat face is a rectangle or a triangle. Use base × height for a rectangle, half of base × height for a triangle.

WORKED MODEL

we do this one together

Step 1	A rectangular prism is unfolded into a net.
Step 2	Faces on a rectangular prism: _____
Step 3	Every face matches one other face, so the number of pairs is _____
Step 4	One face is 5 cm by 4 cm, so that face is _____ square centimeters

YOUR TURN

8 items · about 10 minutes

1. A rectangular prism has _____ faces, and they form _____ matching pairs.
ANSWER _____

2. A triangular prism has _____ faces in all: _____ triangles and _____ rectangles.
ANSWER _____

3. How many triangular faces does a square pyramid have? _____
ANSWER _____

4. One face of a net is a 9 in by 6 in rectangle. Its area = _____
ANSWER _____

5. A triangular face in a net has base 10 cm and height 4 cm. Its area = _____
ANSWER _____

6. A rectangular prism is 8 m long, 3 m wide, and 5 m tall. Each of its two largest faces is _____
ANSWER _____

7. A net is made of 2 triangles and 3 rectangles. What solid folds up from it? _____
ANSWER _____

8. A net has 6 rectangles: two 6 in by 4 in, two 6 in by 2 in, and two 4 in by 2 in. What solid folds up from it, and what are its three edge lengths? _____
ANSWER _____