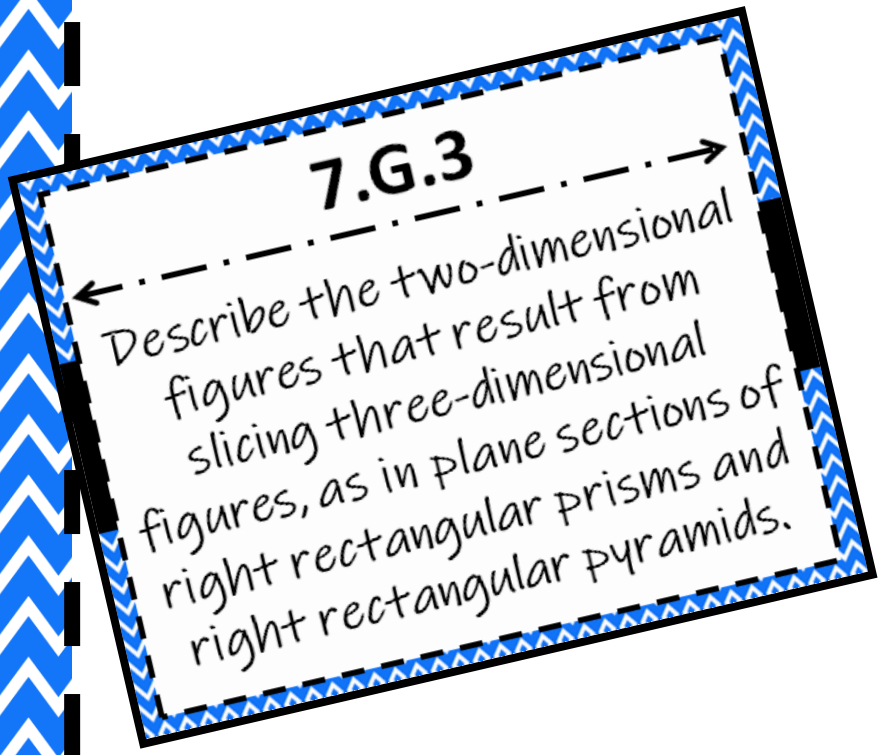
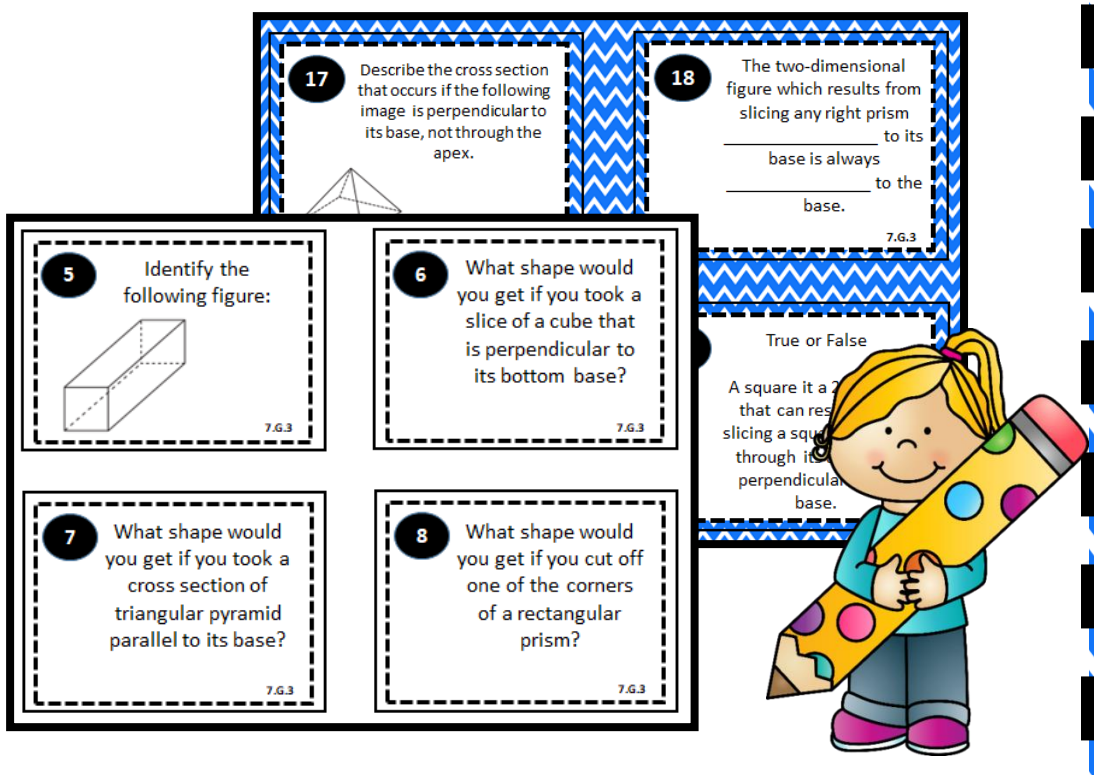
Geometry
Task Cards 7.G.3

20 Task Cards, Recording Sheet, Answer Sheet





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Math in the Midwest

7.G.3

Describe the two-dimensional figures that result from slicing three-dimensional figures, as in plane sections of right rectangular prisms and right rectangular pyramids.

1

Describe the cross-section that results from a plane intersecting exactly three vertices of a cube.

7.G.3

2

Describe the cross-section that results from a plane intersecting a right rectangular prism parallel to its rectangular base.

7.G.3

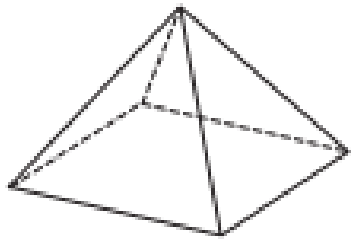
3

Name the 3D figure that contains 5 triangular faces and one pentagonal face.

7.G.3

4

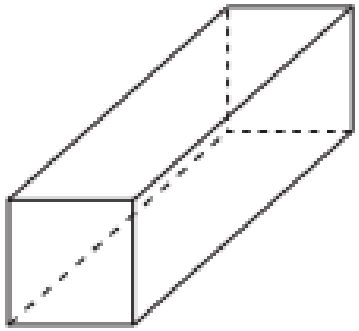
Identify the following figure:



7.G.3

5

Identify the following figure:



7.G.3

6

What shape would you get if you took a slice of a cube that is perpendicular to its bottom base?

7.G.3

7

What shape would you get if you took a cross section of triangular pyramid parallel to its base?

7.G.3

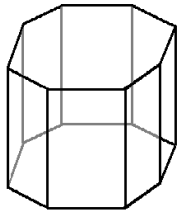
8

What shape would you get if you cut off one of the corners of a rectangular prism?

7.G.3

9

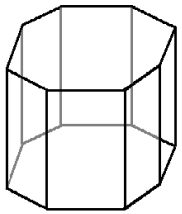
What shape would you get if you take a vertical cross section of the following solid:



7.G.3

10

What shape would your cross section be if you cut the following solid horizontally right through the center?



7.G.3

11

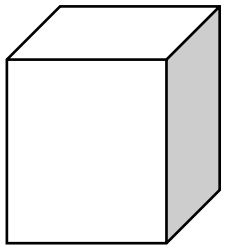
True or False

The cross section of any right prism parallel to its base is congruent to the base.

7.G.3

12

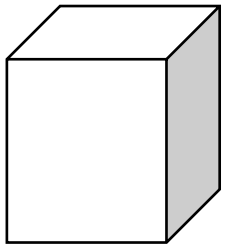
Describe the cross section that occurs if the following image is cut parallel to its base.



7.G.3

13

Describe the cross section that occurs if the following image is cut perpendicular to its base.



7.G.3

14

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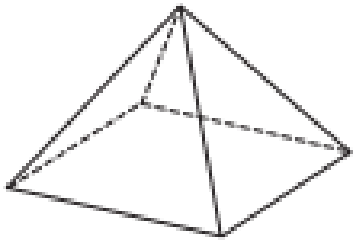
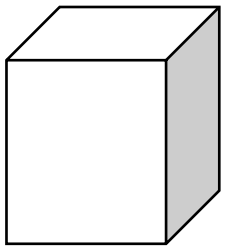


7.G.3

15

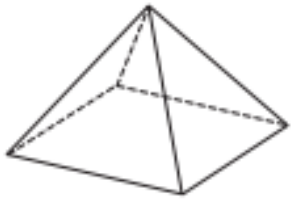
Describe the cross section that occurs if the following image is cut along its diagonal.



7.G.3

16

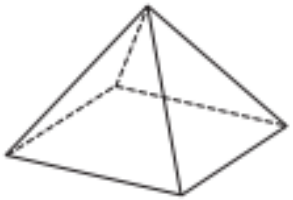
Describe the cross section that occurs if the following image is cut through its apex and perpendicular to its base.



7.G.3

17

Describe the cross section that occurs if the following image is perpendicular to its base, not through the apex.



7.G.3

18

The two-dimensional figure which results from slicing any right prism _____ to its base is always _____ to the base.

7.G.3

19

True or False

A triangle is a 2D figure that can result from slicing a cube perpendicular to its base.

7.G.3

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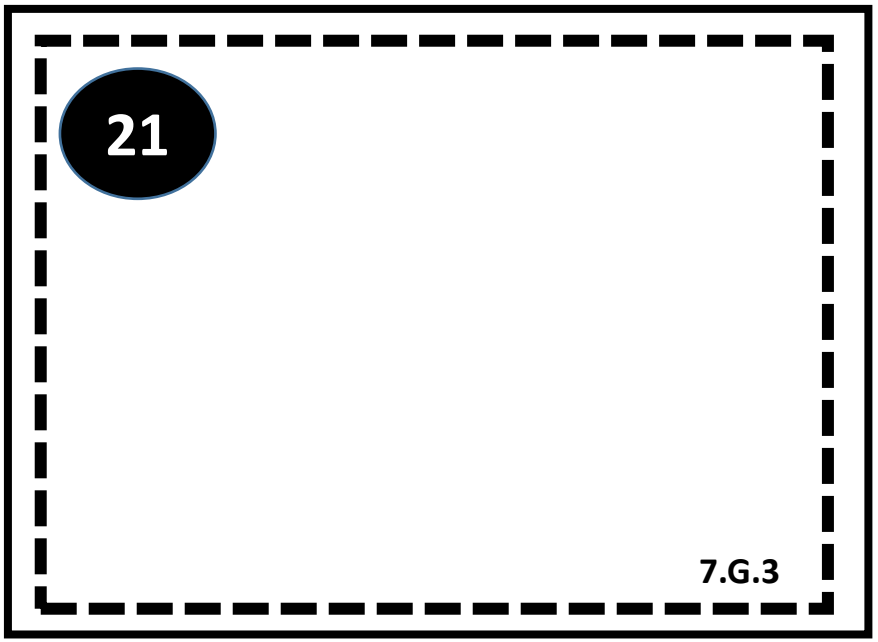
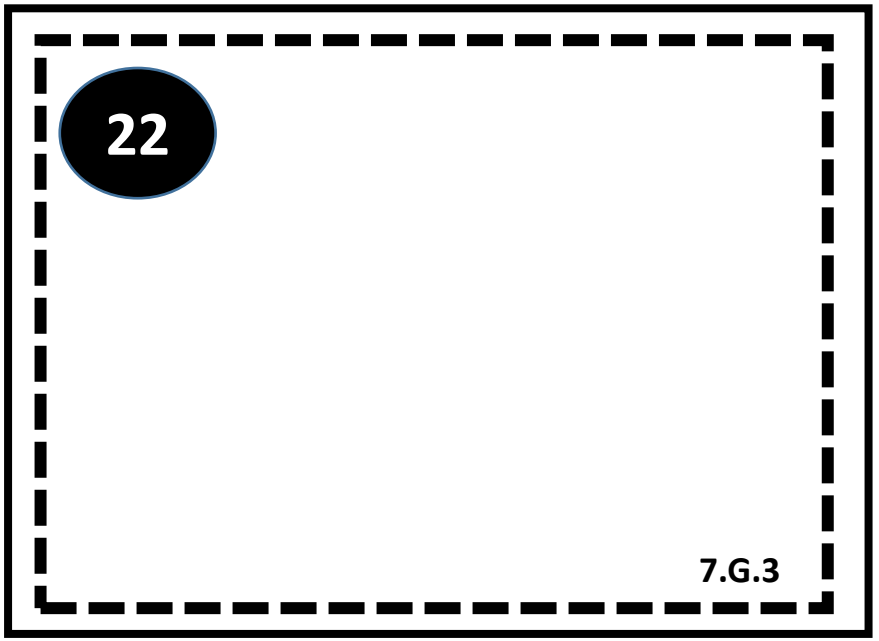
7.G.3

21



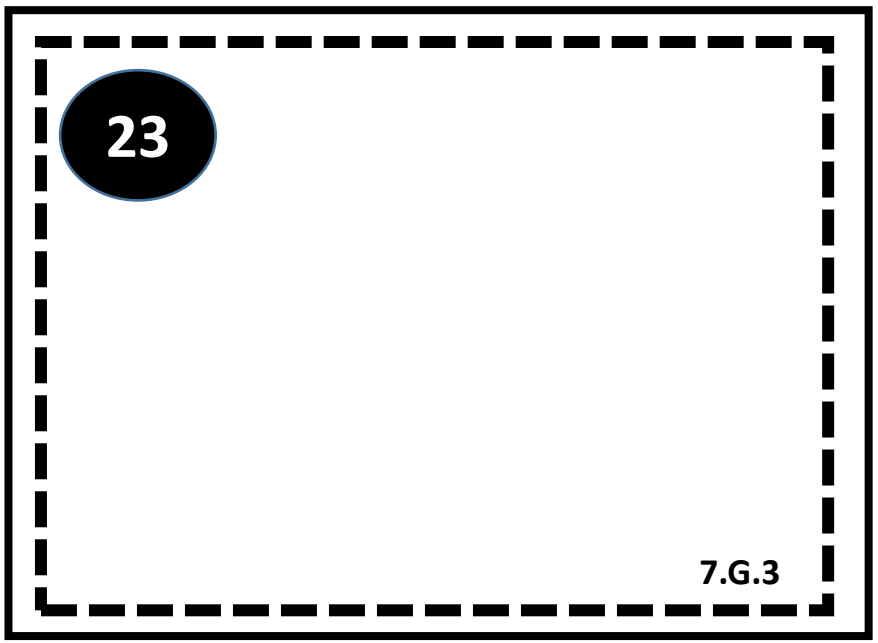
7.G.3

22



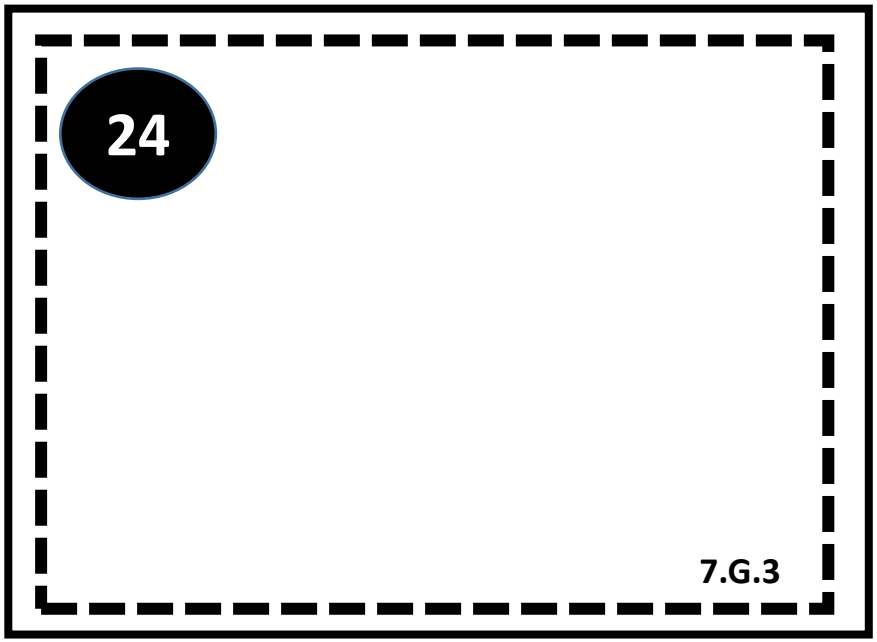
7.G.3

23



7.G.3

24



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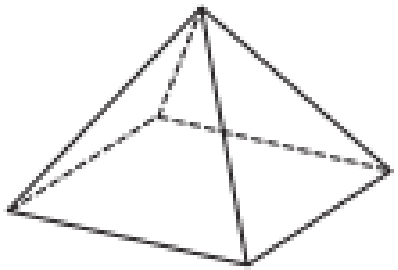

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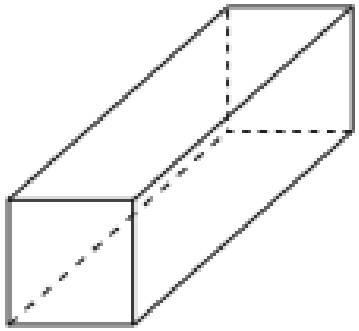

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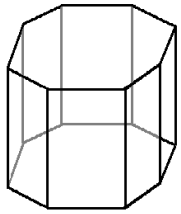

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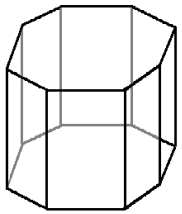

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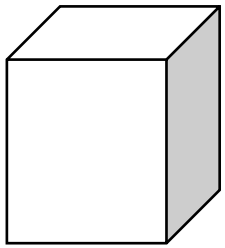

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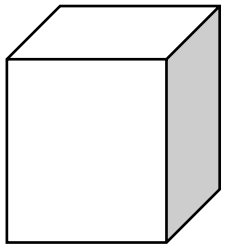

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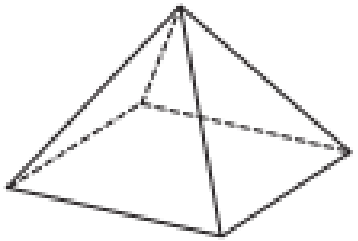

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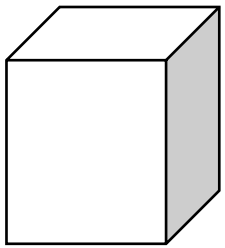

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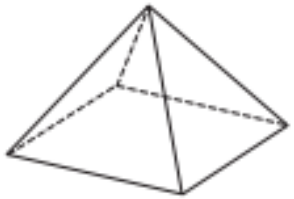

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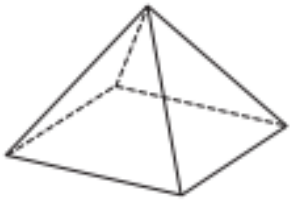

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7.G.3

21

7.G.3

22

7.G.3

23

7.G.3

24

7.G.3

Name _____ Hour _____

7.G.3 Recording Sheet

1.	2.	3.
4.	5.	6.
7.	8.	9.

Name _____ Hour _____

10.	11.	12.
13.	14.	15.
16.	17.	18.
19.	20.	

Answer Key

Number	Answer
1	Triangle
2	Rectangle
3	Pentagonal Pyramid
4	Triangular Pyramid
5	Rectangular Prism
6	Square
7	Triangle
8	Triangle
9	Octagon
10	Rectangle

Number	Answer
11	True
12	Rectangle
13	Rectangle
14	Rectangle
15	Rectangle
16	Triangle
17	Trapezoid
18	Parallel, congruent
19	False
20	False

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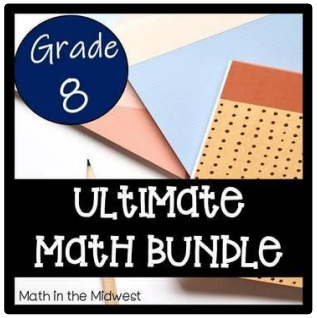

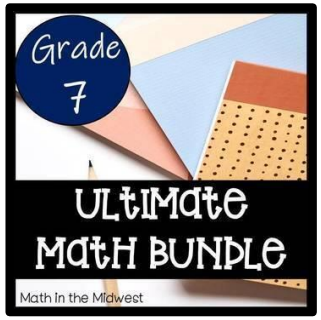

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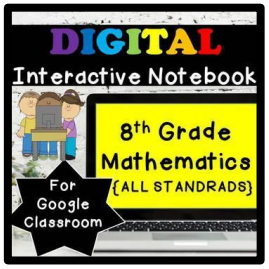

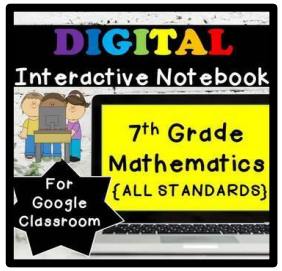

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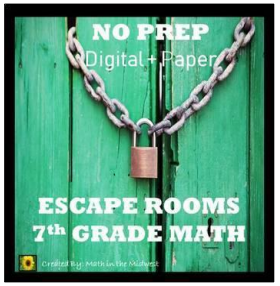

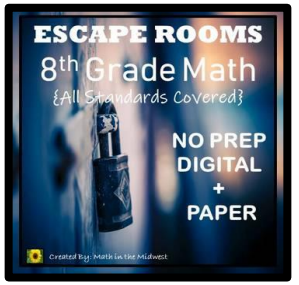

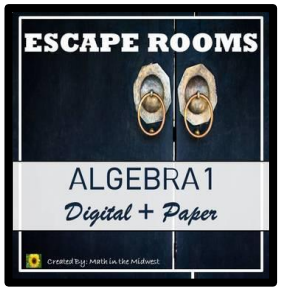

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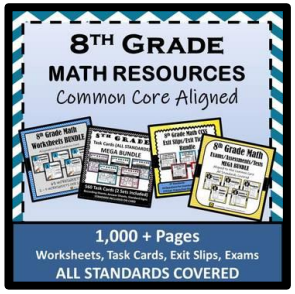

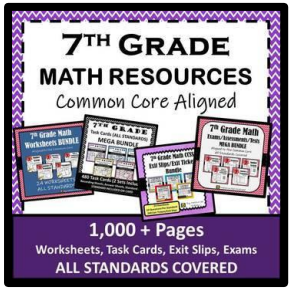

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