Name:_____ **Section:** _____

First Grade
American Math Homework #30

This week in class, we will review **Chapter 12: 2D and 3D shapes and Chapter 13: Fraction Concepts.** We will review classifying and sorting two and three-dimensional shapes, identifying attributes of two and three-dimensional shapes, creating new two and three-dimensional shapes, and composing more shapes.
We will review identifying equal and unequal parts, halves and fourths, and going into more detail with fractions.
On Thursday, April 23rd, scholars will take a test on fractions, 2-D shapes, and 3-D shapes.

Scholars have access to an **IXL skill plan** for additional practice and reinforcement of the daily lesson. It provides specific lessons divided by chapter that will help scholars prepare for PM3. You can work both in IXL lessons I have assigned, and under the IXL skill plan.

As a reminder, we have a new IXL competition for April! It lasts until May 6th, be sure your scholars are practicing on the IXL skill plan, and in from your teacher.

Vocabulary

1. Corners/Vertices
2. Side
3. Cube
4. Cylinder
5. Cone
6. Rectangular Prism
7. Sphere
8. Triangular Prism
9. Faces
10. Edges
11. Flip
12. Rotate/Turn
13. Slide
14. Curved
15. Straight
16. Square
17. Triangle
18. Circle
19. Semi-Circle
20. Rectangle
21. Trapezoid
22. Rhombus
23. Hexagon
24. Octagon
25. Pentagon
26. Equal Part
27. Unequal Part
28. Part
29. Whole
30. Halves
31. Thirds.
32. Fourths
33. Numerator
34. Denominator
35. Fraction
36. Quarters

Notes

Students **MUST** prove and show all their work. If additional space is needed, please feel free to attach lined paper to the homework packet. **Failure to show your work will result in a lower grade**. Please complete the homework to the best of your abilities.

Monday April 20th – Page 675 and 647 _____

Tuesday April 21st – Page 676 and 648 _____

Wednesday April 22nd – Page 659 and 649 _____

Thursday April 23rd – Page 666 and 650 _____

Friday April 24th – Page 671 and 631 _____

Name _____

Chapter Learning Target:
Understand equal shares.

Chapter Success Criteria:
- ◆ I can identify shapes that show equal shares.
- ◆ I can explain which shapes are equal.
- ■ I can compare equal shares.
- ■ I can draw to show equal shares.

◆ Surface ■ Deep

Chapter Review

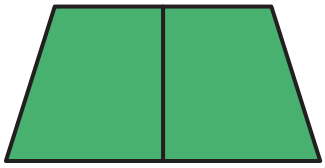
13

Rate your understanding after each section.

13.1 Equal Shares

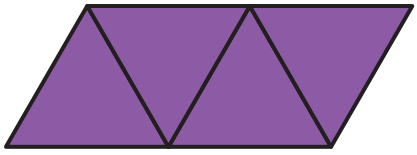
Learning Target: Identify equal shares in two-dimensional shapes.

1.



_____ equal shares

2.



_____ equal shares

3. Draw 4 equal shares for Newton and 2 equal shares for Descartes.

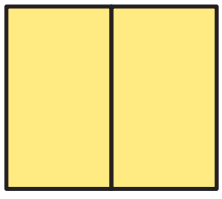
Newton

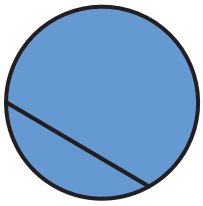
Descartes

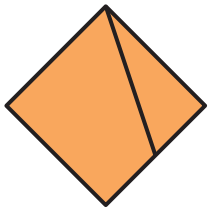
13.2 Partition Shapes into Halves

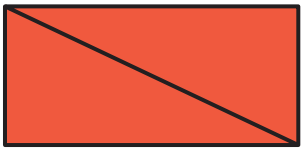
Learning Target: Identify shapes that show halves.

4. Circle the shapes that show halves.









GO DIGITAL

Name _____

Chapter Learning Target:
Understand two- and three-dimensional shapes.

Chapter Success Criteria:
- I can identify shapes.
- I can describe two- and three-dimensional shapes.
- I can take apart shapes.
- I can create shapes.

◆ Surface ■ Deep

Chapter Review

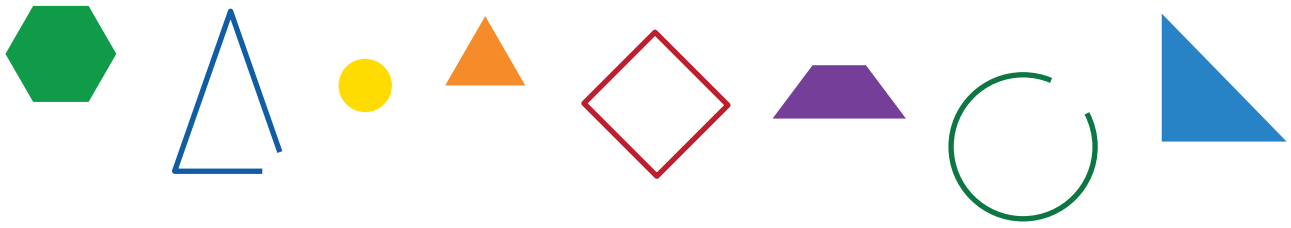
12

Rate your understanding after each section.

12.1 Sort Two-Dimensional Shapes

Learning Target: Sort two-dimensional shapes.

1. Circle the closed shapes with only 3 straight sides.



2. Draw a two-dimensional shape that has 1 or more L-shaped vertices.

12.2 Describe Two-Dimensional Shapes

Learning Target: Describe and draw two-dimensional shapes.

Circle the attributes of the shape. Then draw the shape.

3. **Hexagon**

6 straight sides | 8 vertices

8 straight sides | closed

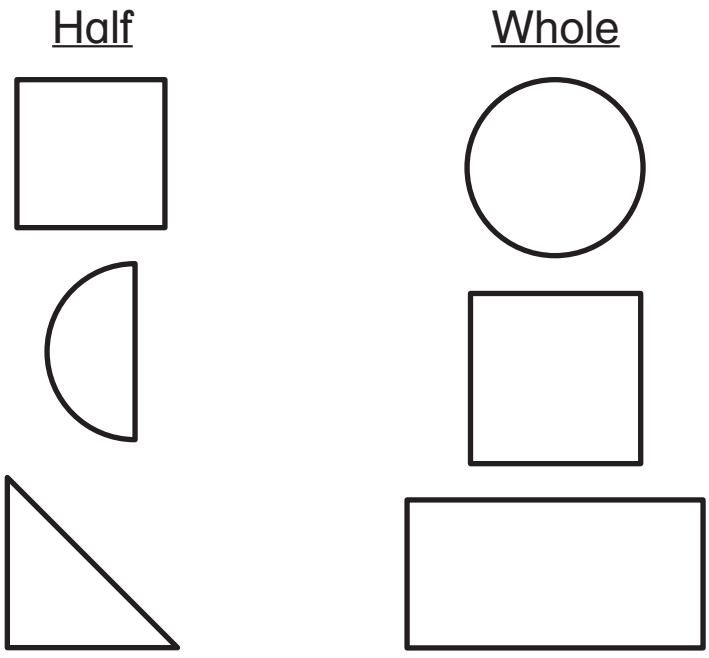
4. **Circle**

0 straight sides | 0 vertices

1 straight side | open

GO DIGITAL

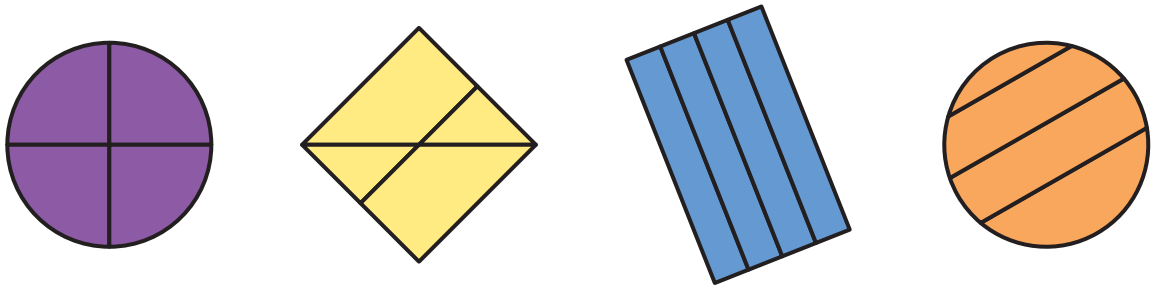
5. Match each half with its whole.



13.3 Partition Shapes into Fourths

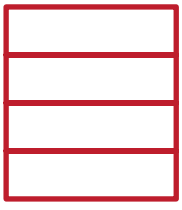
Learning Target: Identify shapes that show fourths.

6. Circle the shapes that show fourths.



Color a quarter of the shape.

7.



8.

GO DIGITAL

12.3 Combine Two-Dimensional Shapes

Learning Target: Join two-dimensional shapes to make another shape.

5. How many  make a  ?

_____  make a  .

6. How many  make a  ?

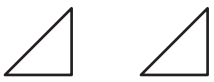
_____  make a  .

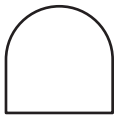
  

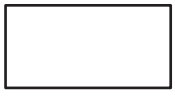
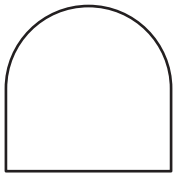
12.4 Create More Shapes

Learning Target: Join two-dimensional shapes to make a new shape. Use the new shape to make a larger shape.

7. Use  to make a  . Draw to show your work.

 **Step 1**   **Step 2** 

8. Use  and  to make a  . Draw to show your work.

 **Step 1**   **Step 2** 

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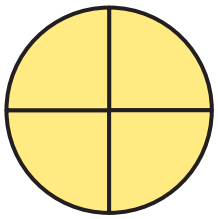
Name _____

Learning Target: Identify equal shares in two-dimensional shapes.

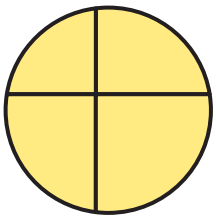
13.1 Practice

Example

Equal Shares

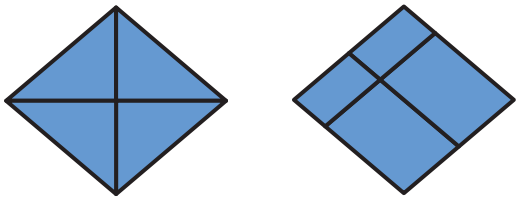


Unequal Shares

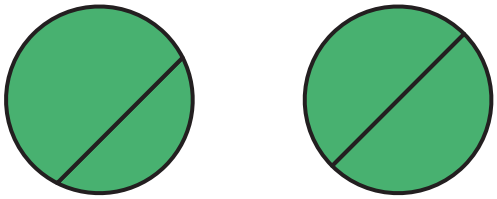


Circle the shape that shows equal shares.

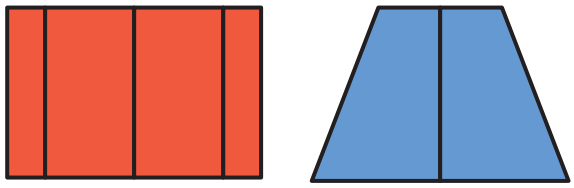
1.



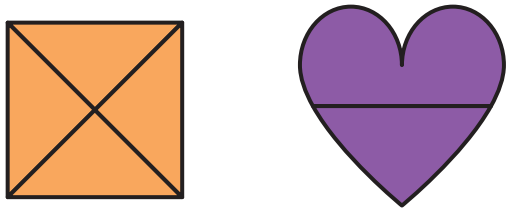
2.



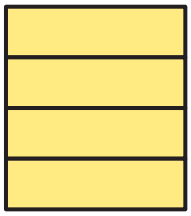
3.



4.

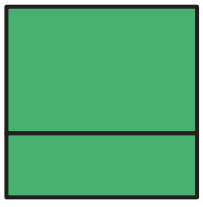


5.



_____ equal shares

6.



_____ equal shares

GO DIGITAL

12.5 Take Apart Two-Dimensional Shapes

Learning Target: Take apart two-dimensional shapes.

Draw two lines to show the parts.

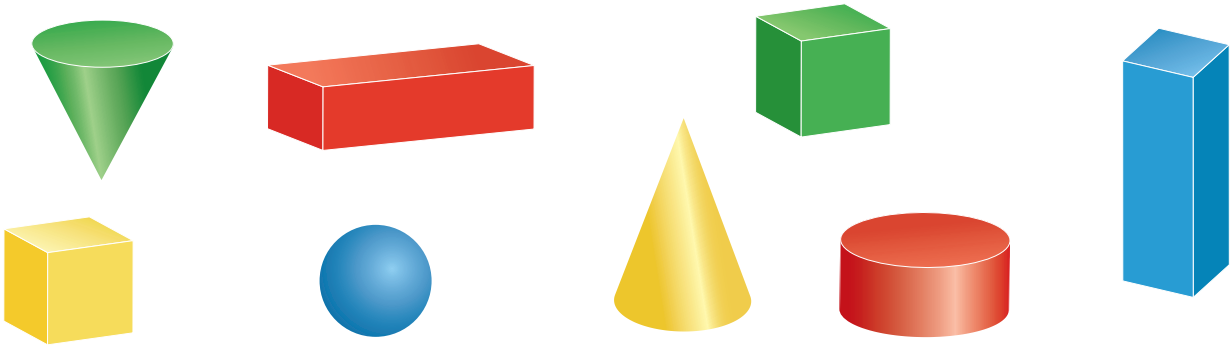
9. 1 square and 2 triangles

10. 2 triangles and 1 square

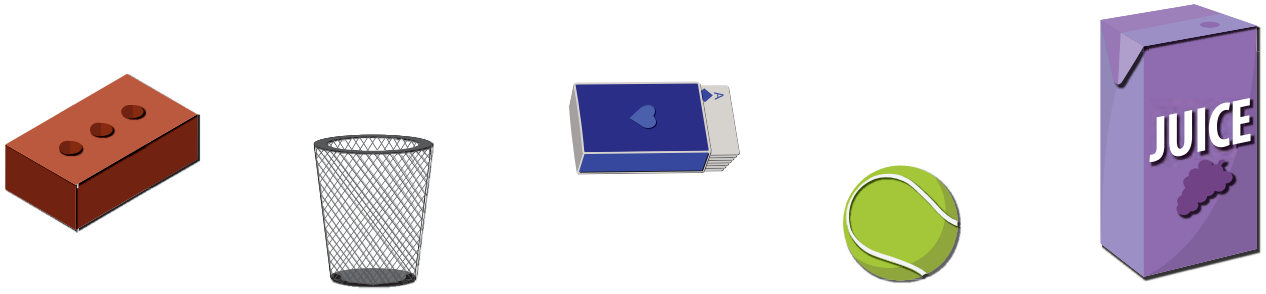
12.6 Sort Three-Dimensional Shapes

Learning Target: Sort three-dimensional shapes.

11. Circle the shapes with flat surfaces that are all squares.



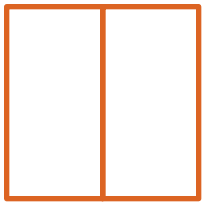
12. You need to find an object that has only flat surfaces for a scavenger hunt. Circle the objects you can use.

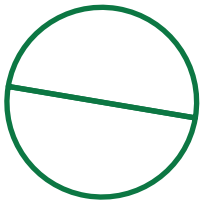


GO DIGITAL

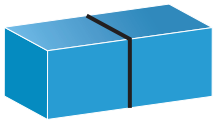
Color half of the shape.

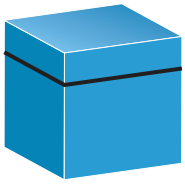
5. 

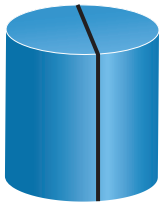
6. 

7. 

8. DIG DEEPER Circle the shapes that show halves.







9. Model Real Life Show three ways to fold the bandana in half.

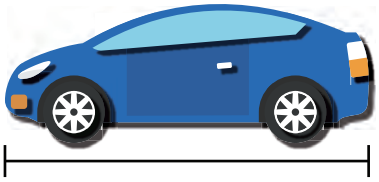
7 MTR

Review & Refresh

Measure.

10. 

about _____ centimeters

11. 

about _____ centimeters

GO DIGITAL

12.7 Describe Three-Dimensional Shapes

Learning Target: Describe three-dimensional shapes.

Circle the attributes of the shape.

13. Rectangular Prism

6 flat surfaces

12 vertices

12 edges

two-dimensional

14. Sphere

0 flat surfaces

1 flat surface

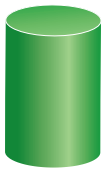
0 edges

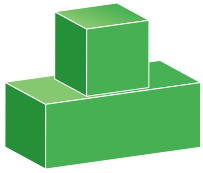
rolls

12.8 Combine Three-Dimensional Shapes

Learning Target: Join three-dimensional shapes to make another shape.

15. Circle the new shape that you can make.

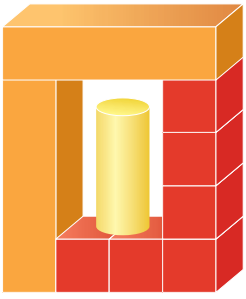



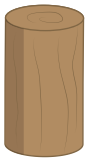


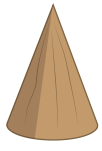
12.9 Take Apart Three-Dimensional Shapes

Learning Target: Take apart three-dimensional shapes.

16. Circle the shapes that make up the structure.







GO DIGITAL

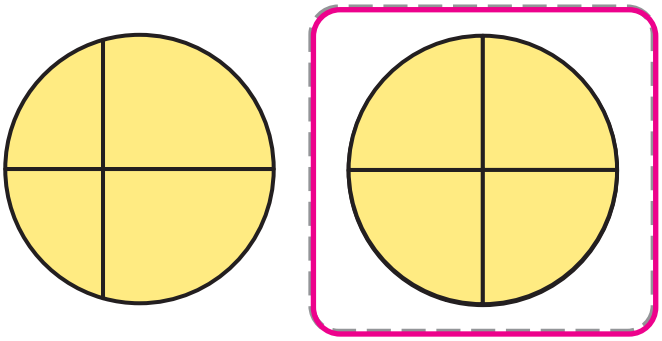
Name _____

Learning Target: Identify shapes that show fourths.

13.3 Practice

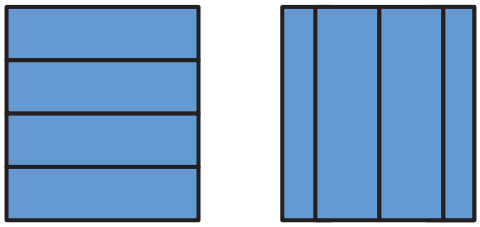
Example

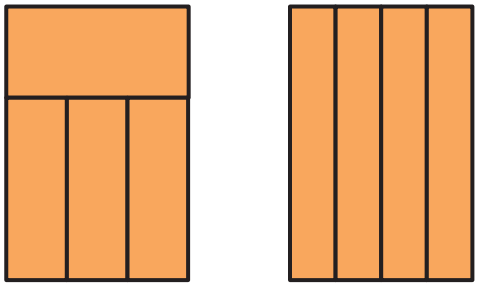
Circle the shape that shows fourths.



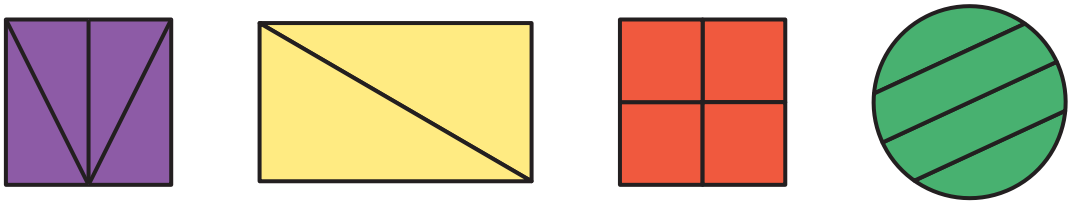
This circle has 4 equal shares. The equal shares are called fourths, or quarters. Each equal share is a fourth of, or a quarter of, the circle.

Circle the shape that shows fourths.

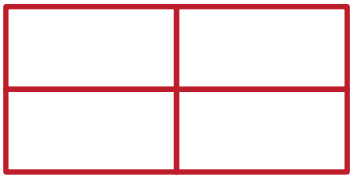
1. 

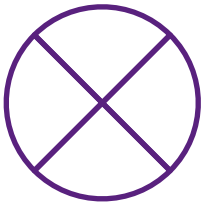
2. 

Circle the shapes that show fourths.

3. 

Color a quarter of the shape.

4. 

5. 

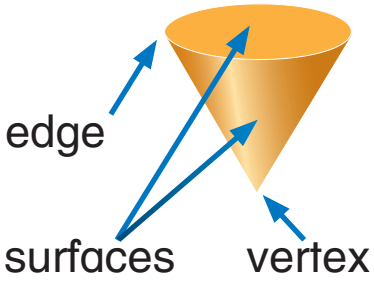
GO DIGITAL

Name _____

Learning Target: Describe three-dimensional shapes.

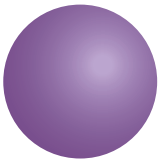
12.7 Practice

Example



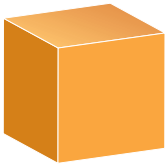
2 surfaces	flat	curved	**both**
1 vertex			
1 edge	straight	**curved**	both

1.



_____ surface	flat	curved	both
_____ vertices			
_____ edges	straight	curved	both

2.



_____ surfaces	flat	curved	both
_____ vertices			
_____ edges	straight	curved	both

Circle the attributes of the shape.

3. Cylinder

2 edges 3 surfaces

2 vertices stacks

4. Rectangular Prism

8 surfaces 12 edges

slides three-dimensional

GO DIGITAL