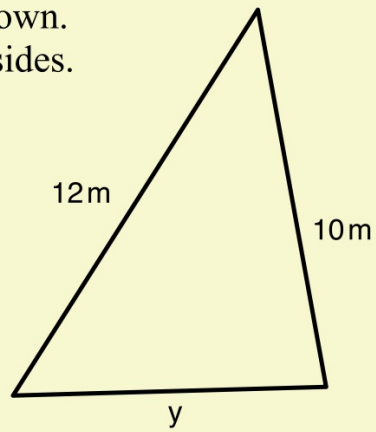
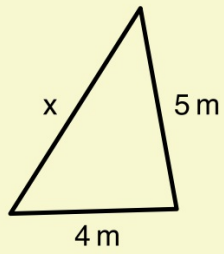
The background is a light gray rectangle filled with various geometric shapes. There are several overlapping circles of different sizes, some solid and some outlined. There are also curved lines and a square containing a circle on the left side. On the right side, there are three horizontal lines stacked vertically.

Math
Monday 4/17/2017

Get out a sheet of paper

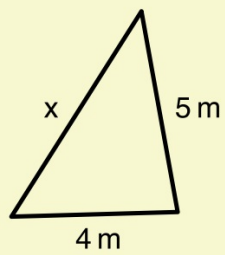
**In a moment, your warm up
will be on the board.**

A pair of similar triangles is shown.
Find the missing length of the sides.

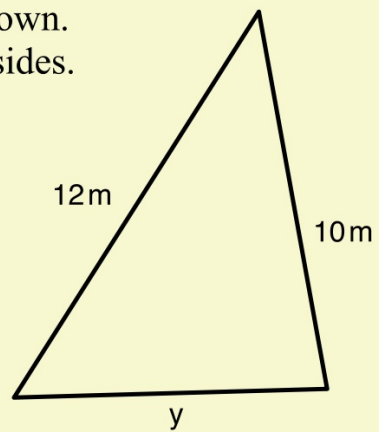


Solution

A pair of similar triangles is shown.
Find the missing length of the sides.








$$x = 6\text{ m}$$

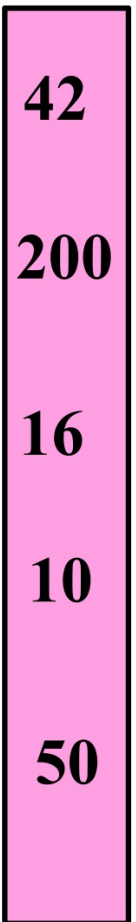


$$y = 8\text{ m}$$

Solve:

1)	$\frac{10}{6} = \frac{X}{6}$	
2)	$\frac{X}{8} = \frac{25}{4}$	
3)	$\frac{26}{X} = \frac{13}{21}$	
4)	$\frac{X}{14} = \frac{100}{7}$	
5)	$\frac{X}{7} = \frac{32}{14}$	

click and drag the correct answer to the proper box:



42

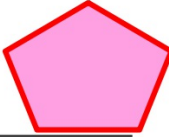
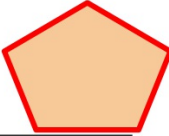
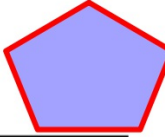

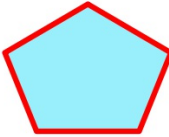
200

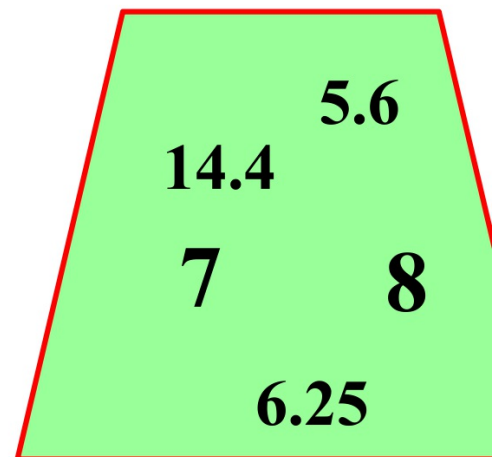
16

10

50

Solve: Then click and drag the correct answer into the proper box.

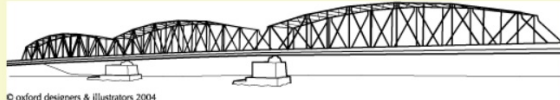
6	$\frac{9}{2} = \frac{36}{n}$	
7	$\frac{7}{10} = \frac{k}{8}$	
8	$\frac{20}{m} = \frac{16}{5}$	
9	$\frac{a}{4} = \frac{3.5}{2}$	
10	$\frac{6}{9.6} = \frac{9}{d}$	



Molly bought a 128-ounce bottle of shampoo to save money. She used 8 ounces of shampoo per week. At this rate, how many weeks did the shampoo last?

- F - 11**
- G - 12**
- H - 16**
- J - 18**
- K - 20**





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Architects use ratios and proportions to create scale models.



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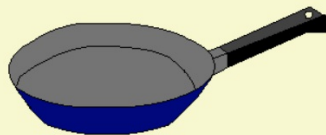
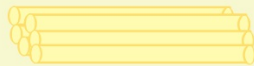
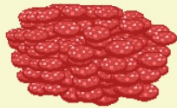
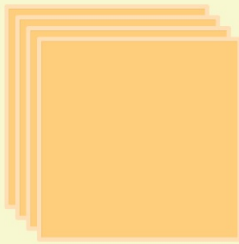
If an Architect uses the scale of 1: 80 for a model, How tall is the actual building if the model is $3\frac{1}{2}$ ft high?

Pizza Stix

INGREDIENTS

- 1 (14 ounce) package egg roll wrappers
- 24 pieces of string cheese
- 25 (4 ounce) packages of sliced pepperoni
sausage, cut into strips
- 1 (6 ounce) can sliced mushrooms, drained
- 2 tablespoons minced garlic
- 2 cups oil for frying or as needed
- 1 (14 ounce) jar marinara sauce

*(yeilds 24)



© Oxford designers & illustrators 2004

24 pizza stix

12 pizza stix

60 pizza stix

2 tablespoons garlic

_____ tablespoons garlic

_____ tablespoons garlic

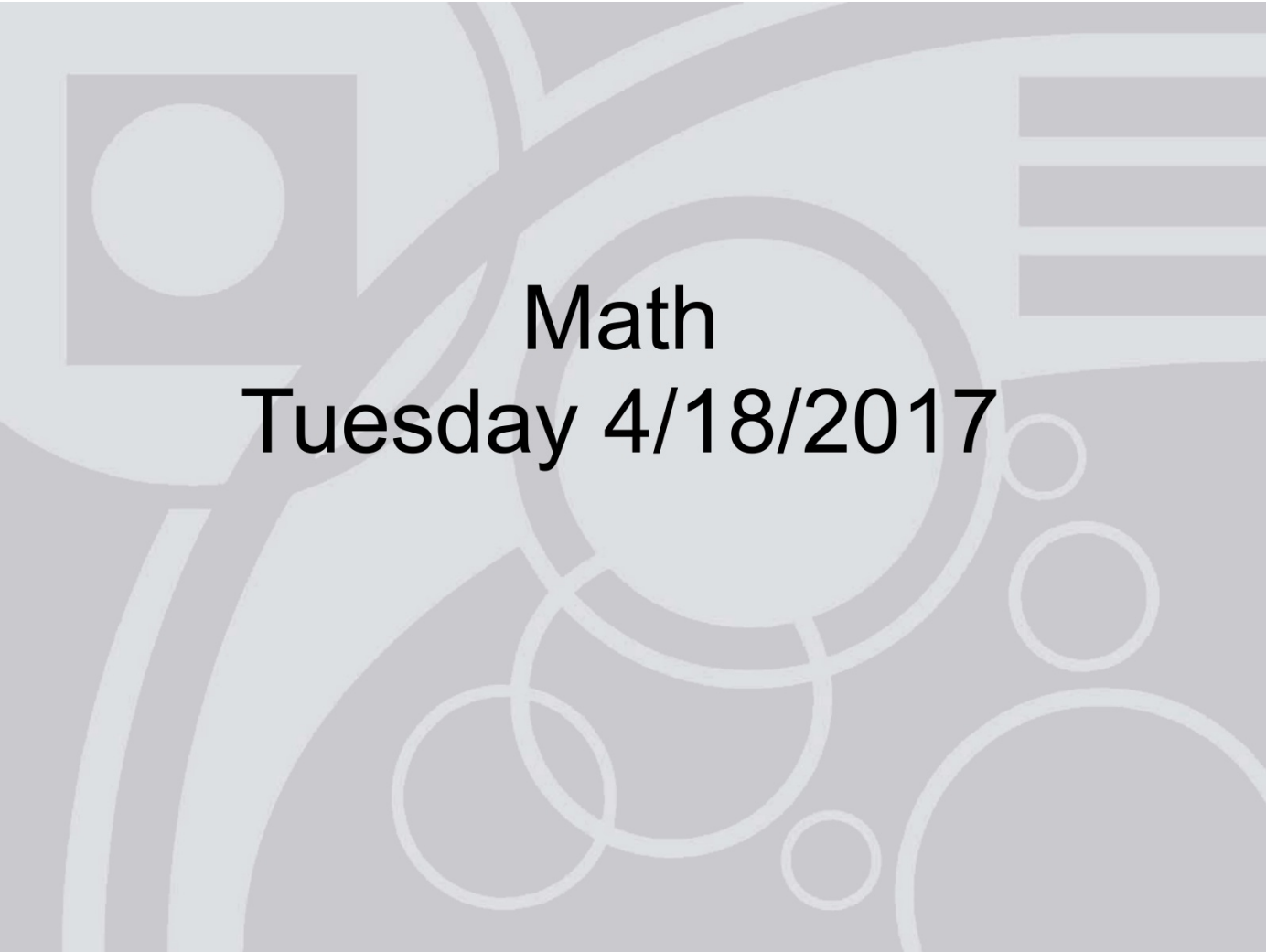


6 ounces of mushrooms

_____ ounces of mushrooms

_____ ounces of mushrooms





Math
Tuesday 4/18/2017

Review:

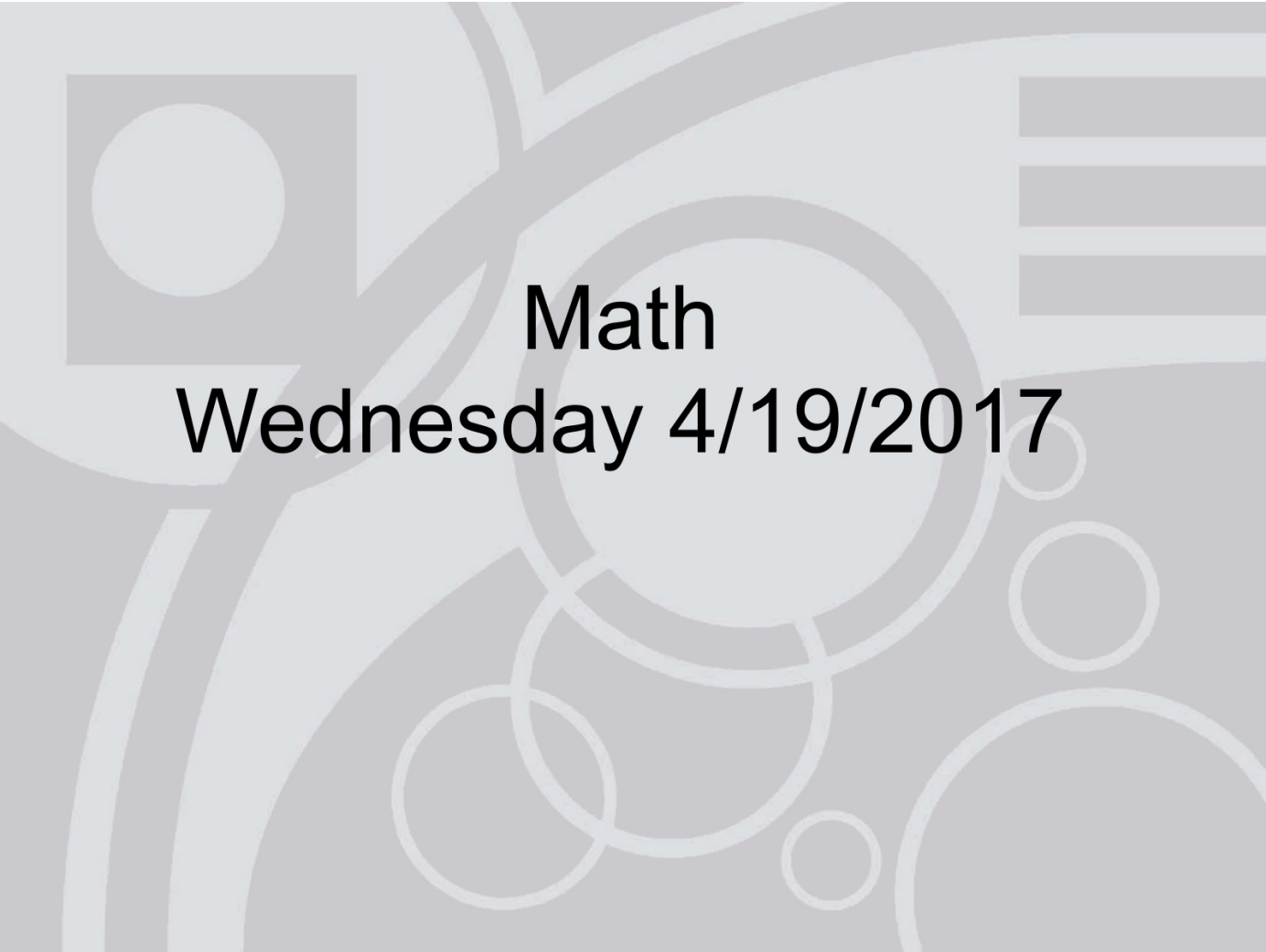
An official U.S. Flag has a length-to-width ratio of 19: 10. The largest U.S. Flag measureas 505 ft by 225 ft. Is this an official US flag?

A package of cheddar cheese contains 15 servings and has a total of 147 grams of fat. Find the unit rate of grams of fat per serving.

Dog Food costs \$.35 / lb. How much does a 20 lb bag cost?

Do practice problems pp 211 # 5-27

206 # 1-7



Math
Wednesday 4/19/2017

You will need your notebook

Today we are going to take a closer look at similar figures.

Two figures are similar if

1. corresponding angles have the same measure.

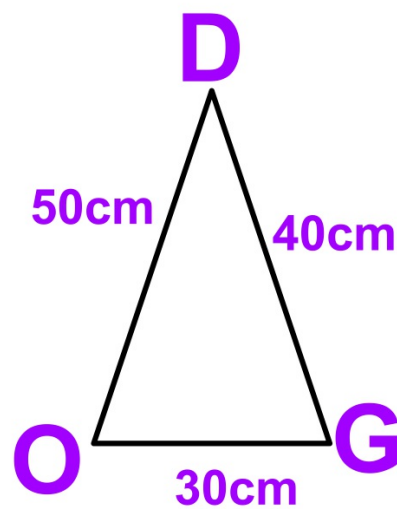
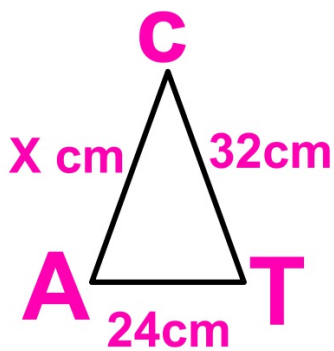
2. the lengths of the corresponding sides form equivalent ratios.

We can use proportions to find missing lengths in similar polygons.

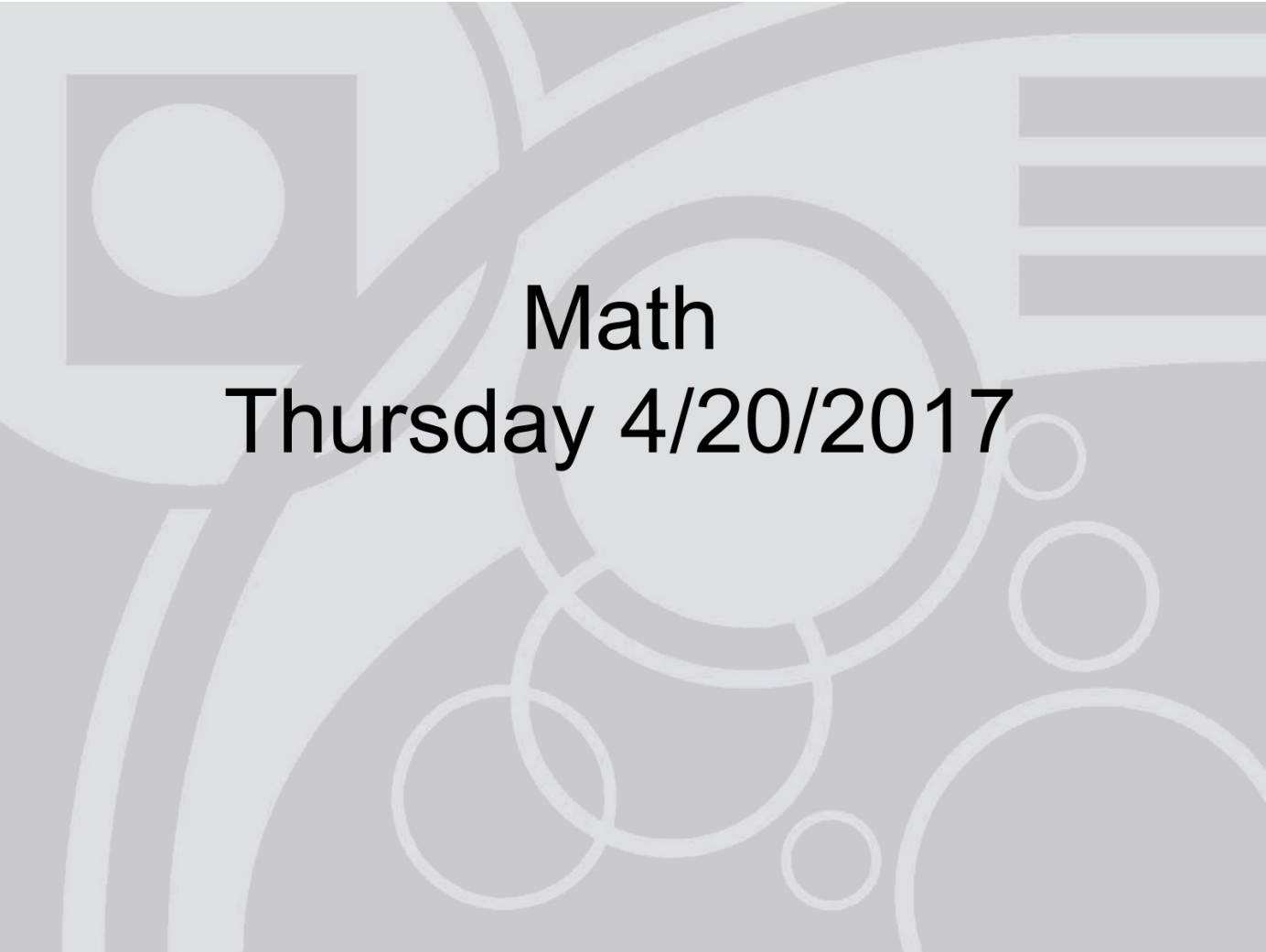
What is a polygon?

Finding a missing measure

Triangle **ACT** and Triangle **ODG** are similar. Find the value of **X**



A 6 ft tall person standing near a flagpole casts a shadow 4.5 ft long. The flagpole casts a shadow 15 ft long. Find the height of the flagpole. HINT! Draw a picture!

The background is a light gray field with various geometric shapes in a slightly darker shade of gray. On the left, there is a square containing a circle. In the center, there are several overlapping circles of different sizes. On the right, there are three horizontal parallel lines. The overall style is minimalist and modern.

Math
Thursday 4/20/2017

**You'll need your
notebook**

**Maps and Scale
Drawings**

You can use proportions to solve problems involving maps and scale drawings.

A Scale drawing is a ratio that compares a length in a drawing or model to the corresponding length in the actual object.

For example:

If a 15 ft boat is 1 inch long on a drawing, you can write the scale of the drawing in these 3 different ways

1in: 15ft 1in/15ft 1in = 15 ft.

The chimney of the house is 4 cm tall on the drawing. How tall is the chimney of the actual house?

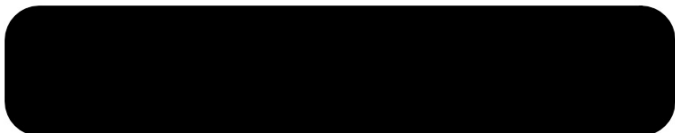
Now for a little bit of a challenge...

Finding Equivalent Ratios

Directions: Use the digits 1-9 to create 3 equivalent ratios.

Each digit can only be used once.

___ : ___ = ___ ___ : ___ = ___ ___ : ___ ___





MATH
Friday, 3.4.16

You can also use proportions to solve % problems.

For example:

If 25 is 100% of the total number of students in the class, what percent is 12 students?

Try these problems:

1) 75% of 140

2) 13% of 200

3) 10% of 680

Next, you'll have the opportunity to work on some additional practice problems!