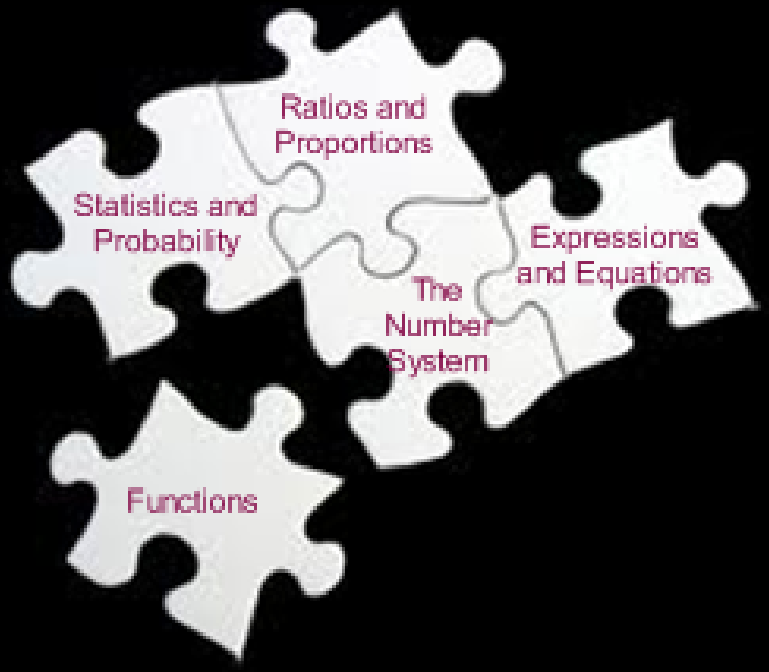
Welcome Middle School Families



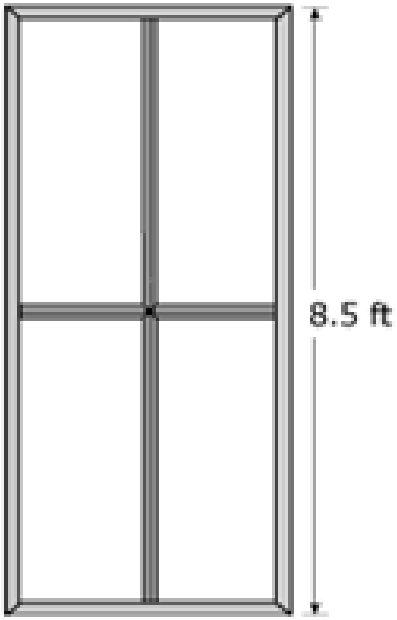
Moving to the Standards for College and Career Readiness

Shifts in Curriculum

- Grade level shift of when content is taught
- Increased rigor and writing
- Depth of knowledge, focused on application

Grade Level Shift- Current 8th grade

A construction worker is calculating the perimeter of the rectangular window shown below.



The area of the window is 34 square feet. What is the perimeter of the window?

a. 4 feet
b. 12.5 feet
c. 25 feet
d. 42.5 feet

Grade Level Shift- CCR 4th grade

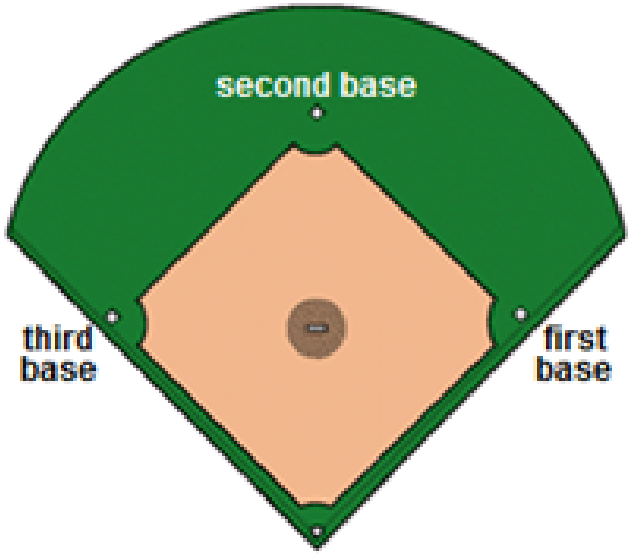
43023

A rectangle is 6 feet long and has a perimeter of $20\frac{1}{3}$ feet.

What is width of this rectangle? Explain how you solved this problem.

Rigor and Writing- Current 7th grade

A baseball field is called a "diamond", but it is really a square. The diagram below shows that the region formed by the four bases (first, second, third and home) is indeed a square.



During practice, players on a baseball team have to run around the bases (home to first, first to second, second to third and then third to home) 3 times. If the distance from home plate to first base is 70 feet, what is the total distance, in feet, traveled by a player during this run?

a. 560
b. 280
c. 890
d. 840

Rigor and Writing- CCR 7th grade



The All City Recreation Committee plans to put a fence around a playground area in All City Park. The solid line in the diagram above outlines the sections in the park that the committee wants to surround with a fence. Information about fencing prices is shown below.

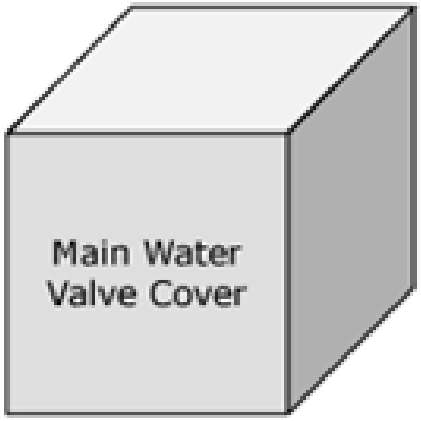
FENCE-ALL COMPANY
Fencing: $0.30 per foot

ACME FENCE COMPANY
Fencing: $0.32 per foot
Orders totaling $500 or more will receive a 10% discount

- Show your calculations for how much fencing the committee will need to buy.
- Explain which fencing company offers the best deal for this project and show any necessary calculations.

Application- Current 7th grade

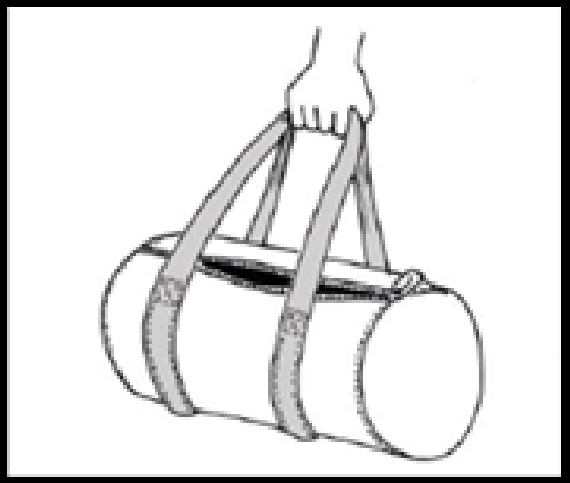
Each main water valve at an office building is covered by a box shaped like a cube, as shown below.



The edges of each box are 30 inches long. How much material is required to make each box? $(SA = 6s^2)$

a. 2,700 square inches
b. 3,600 square inches
c. 4,500 square inches
d. 5,400 square inches

Application- CCR 7th grade



You have been asked to design a sports bag.

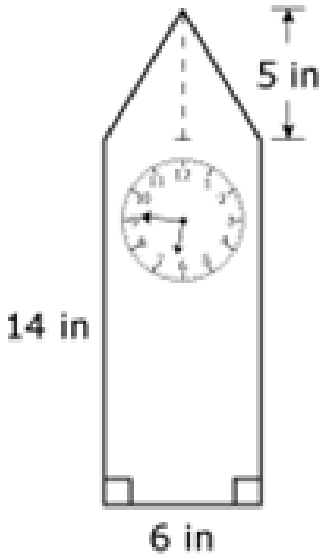
- The length of the bag will be 60 cm
- The bag will have circular ends of diameter 25cm
- The main body of the bag will be made from 3 pieces of material; a piece for the curved body, and the two circular end pieces
- Each piece will need to have an extra 2 cm all around it for a seam, so that the pieces may be stitched together

1. Make a sketch of the pieces you will need to cut out for the body of the bag. Your sketch does not have to be to scale, but it must show all measurements you will need.

2. You are going to make one of these bags from a roll of cloth 1 meter wide. What is the shortest length that you need to cut from the roll for the bag? Describe, using words and sketches, how you arrive at your answer.

Rigor and Writing- Current 7th grade

Erin designed a clock for her room. The front face of the clock is shown below.



Exactly how many square inches (in^2) of glass does Erin need to cover the entire front face of the clock?

a. 50 in^2
b. 99 in^2
c. 114 in^2
d. 420 in^2

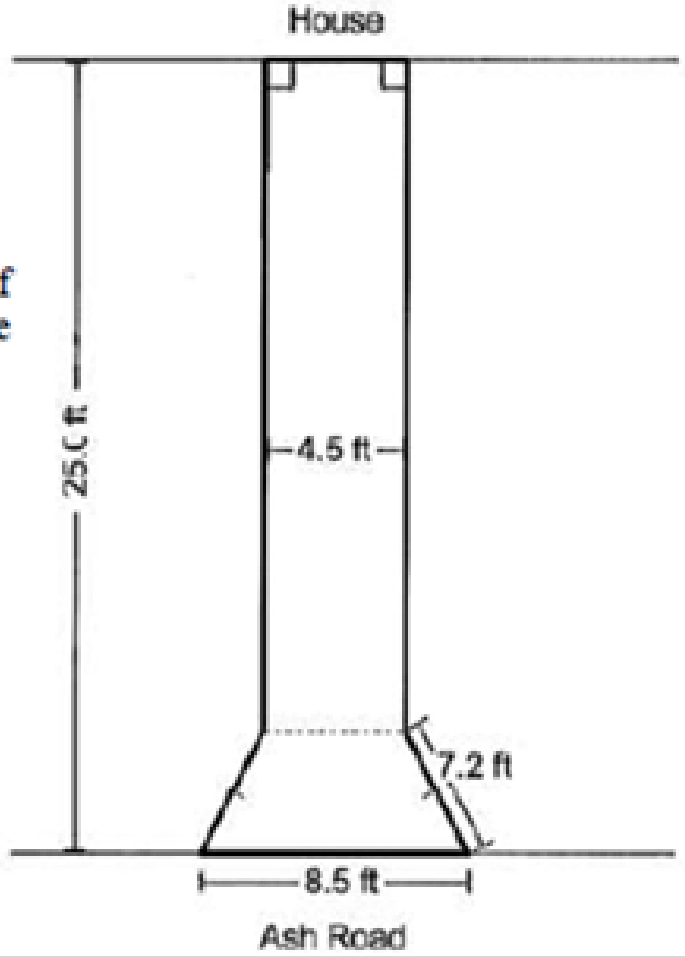
Rigor and Writing- CCR 7th grade

CR 1: Ms. Olsen's Sidewalk

Ms. Olsen is having a new house built on Ash Road.
She is designing a sidewalk from Ash Road to her front door.
Ms Olsen wants the sidewalk to have an end in the shape of an isosceles trapezoid, as shown.

The contractor charges a fee of $200 plus $12 per square foot of sidewalk. Based on the diagram, what will the contractor charge Ms. Olsen for her sidewalk?

Show your work or explain how you found your answer.

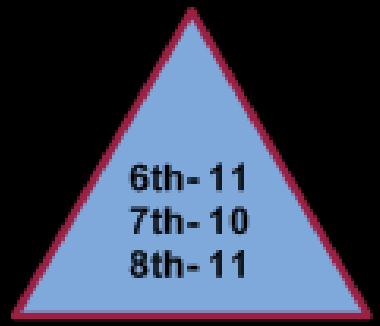


Current MS Math Progression

6th grade	7th grade	8th grade
Math 6	Math 7	Math 8
Math 6 Adv.	Pre-Alg	Algebra
Pre-Alg	Algebra	Geometry

How will these shifts in curriculum affect 6th/7th graders currently taking Pre-Algebra?

6th grade CCR standards to finish	5
7th grade CCR standards to finish	5
8th grade CCR standards	16
Algebra I CCR standards	48
	74



2013-2014: Complete the remaining course standards

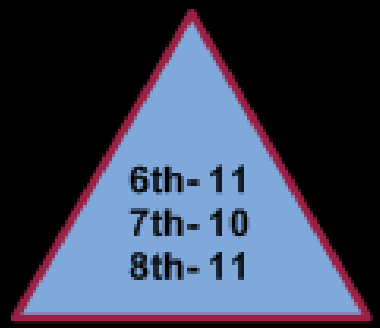
Course Title: Pre-Algebra CCR

6th grade CCR standards to finish	5
7th grade CCR standards to finish	5
8th grade CCR standards	16
	26
+ add application and writing piece	

6th- 11
7th- 10
8th- 11

How will these shifts in curriculum affect 7th graders currently taking Algebra?

7th grade CCR standards to finish	4
8th grade CCR standards to finish	6
Algebra I CCR standards to finish	20
Geometry CCR standards	37
	67



2013-2014: Complete the remaining Algebra standards

Course Title: Algebra CCR

7th grade CCR standards to finish	4
8th grade CCR standards	6
Algebra I CCR standards	20
	30

+ application and writing piece

6th- 11
7th- 10
8th- 11

CCR MS Math Transition Plan

Current	2013-14	2014-15
Pre-Alg 6	Pre-Alg CCR	Algebra I
Pre-Alg 7	Pre-Alg CCR	Algebra I
Algebra 7	Algebra CCR	Geometry

Transition Conversations

- ☒ MS Principals/Assistants and Counselors
- ☒ Campus Principal/Assistant, Counselor, and Math Dept Chair
- ☒ Middle School Math Teachers
- ☒ High School Math Teachers
- ☒ Board of Education
- ☒ Gifted Teachers
- ☒ Elementary Principals and 5th grade teachers
- ☐ Parents and Students

Questions?