



Welcome back 9th grade!



| | Assignment Effort Grade (Circle One) | Comments (What was interesting or challenging?) |
|---|--|---|
| Monday Date: <u>11/6</u> Topic: <u>Continued Coloring Links</u> | 0 1 2 | |
| Tuesday Date: <u>11/7</u> Topic: <u>Fractals, Lucas #s, ...!</u> | 0 1 2 | |
| Wednesday Date: <u>11/8</u> Topic: <u>6B Rational Equations</u> | 0 1 2 | |
| Thursday Date: <u>11/9</u> Topic: <u>Similar Figures WS</u> | 0 1 2 | |
| Friday Date: _____ Topic: _____ | 0 1 2 | |

Class Plan:

1. Investigation

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AREAS OF SIMILAR OBJECTS

2. Practice!

LATE START SCHEDULE

| Late Start Day | | |
|-----------------------|-------------|------------|
| Lunch A | | |
| 1st Hour | 10:05-10:38 | 33 minutes |
| 2nd Hour | 10:43-11:16 | 33 minutes |
| 3rd Hour | 11:21-11:54 | 33 minutes |
| Lunch A | 11:59-12:29 | 30 minutes |
| 4th Hour | 12:34-1:07 | 33 minutes |
| 5th Hour | 1:12-1:45 | 33 minutes |
| 6th Hour | 1:50-2:23 | 33 minutes |
| 7th Hour | 2:28-3:00 | 32 minutes |

| | | |
|----------------|-------------|------------|
| Lunch B | | |
| 1st Hour | 10:05-10:38 | 33 minutes |
| 2nd Hour | 10:43-11:16 | 33 minutes |
| 3rd Hour | 11:21-11:54 | 33 minutes |
| 4th Hour | 11:59-12:32 | 33 minutes |
| Lunch B | 12:37-1:07 | 30 minutes |
| 5th Hour | 1:12-1:45 | 33 minutes |
| 6th Hour | 1:50-2:23 | 33 minutes |
| 7th Hour | 2:28-3:00 | 32 minutes |

| | | |
|----------------|-------------|------------|
| Lunch C | | |
| 1st Hour | 10:05-10:38 | 33 minutes |
| 2nd Hour | 10:43-11:16 | 33 minutes |
| 3rd Hour | 11:21-11:54 | 33 minutes |
| 4th Hour | 11:59-12:32 | 33 minutes |
| 5th Hour | 12:37-1:12 | 33 minutes |
| Lunch C | 1:17-1:45 | 30 minutes |
| 6th Hour | 1:50-2:23 | 33 minutes |
| 7th Hour | 2:28-3:00 | 32 minutes |

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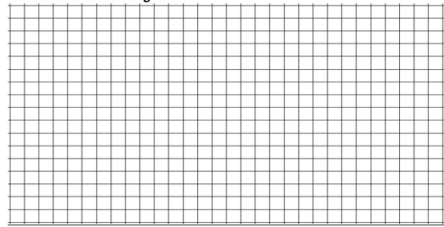
AREAS OF SIMILAR OBJECTS

Do: Investigation

In similar objects, ratios of corresponding lengths are equal...what about their areas?

Steps 1
(and 2 if time)

Investigation
1) Sketch two similar rectangles.



Side Length Ratios:

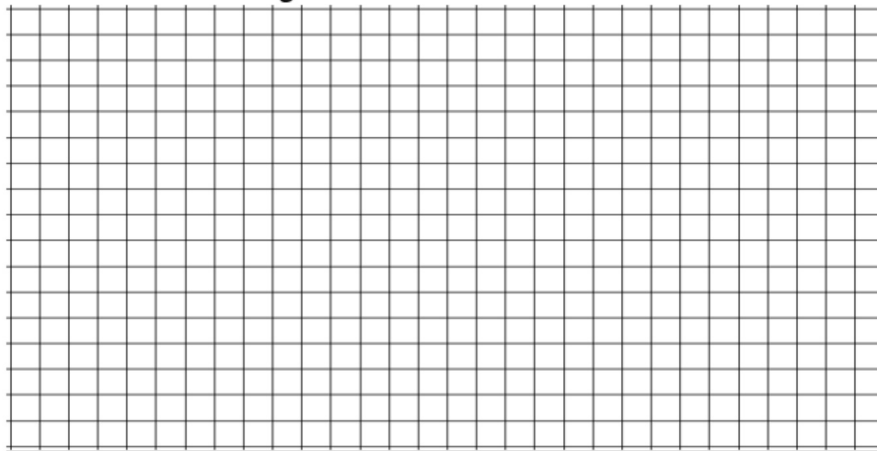
Area Ratio:

When done: Generalize and Prove.
(Backside of Investigation)

What about volume ratios in 3D?

Investigation

- 1) Sketch two similar rectangles.



Side Length Ratios:

Area Ratio: