

ESCAPE ROOM ACTIVITY



Record the answer to each problem

TRIANGLES Challenge
ESCAPE

Directions: Write the answer to each challenge. Write the answer that justifies each statement.

COLUMN 2

$\triangle MAR \sim \triangle BLR$

Find x.

$\triangle ZIM \sim \triangle ITL$

Find LP. $\triangle POL \sim \triangle PAN$

SIMILAR TRIANGLES ESCAPE

Directions: Solve the problem on card A. Place the card below so the points to the circle above its answer. The card will reveal a 1- or 2-digit mystery number. Record this number below. Continue solving and record the mystery numbers for all 8 cards.

3	8	5	2	6	7	9	4
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SIMILAR TRIANGLES ESCAPE

Directions: For each puzzle piece, you must solve for x. Begin with the "Start" problem and record your answer in the circle below. Use your answer to find the next problem in the sequence below, in the order that the arrows indicate.

SIMILAR TRIANGLES Unit Review

- 6.
- 7.
- 8.

21	7	14	3	16	8	20
MYSTERY NUMBER						
A	B	C	D			



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Gina





SIMILAR TRIANGLES ESCAPE ROOM

TEACHER DIRECTIONS

WHAT IS THIS? This Similar Triangles Escape Room Activity is a fun and challenging way for students to review concepts taught throughout the Similar Triangles Unit. This particular activity includes 6 challenge puzzles, each revealing a 3-digit, 4-digit, or 5-letter code. If students successfully crack each code, they will have "escaped the room" and earn a prize.

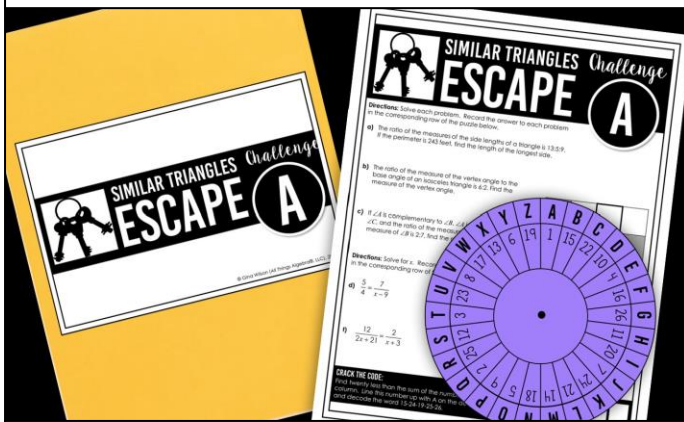
PREPARING THE ACTIVITY:

Place the challenge contents into manila envelopes. There are envelope labels provided if you wish to use them. I recommend laminating the challenge cards if possible so students can write on them with dry erase markers.

TOPICS AND CONTENTS FOR EACH CHALLENGE ENVELOPE:

CHALLENGE A:

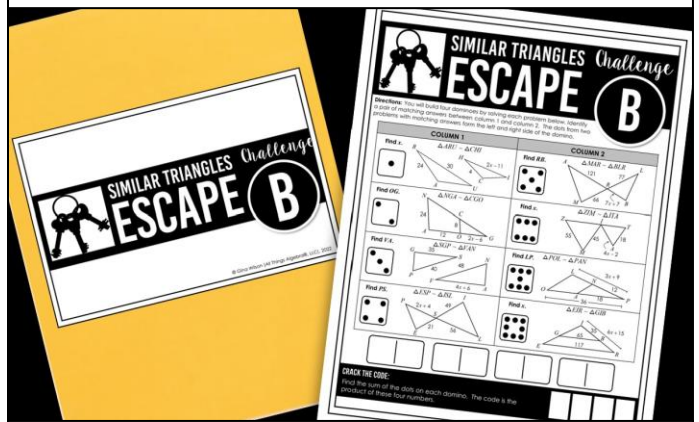
Ratios & Proportions



Contents: Challenge Card, Dry Erase Marker, Felt or Paper Towel to Erase, Decoder Wheel

CHALLENGE B:

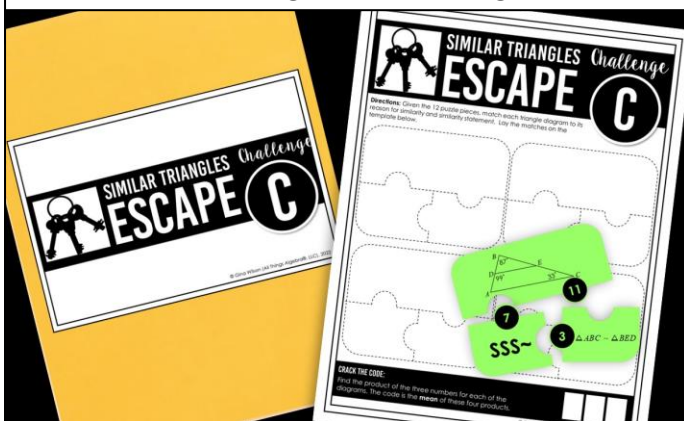
Solving Problems with Similar Triangles



Contents: Challenge Card, Dry Erase Marker, Felt or Paper Towel to Erase

CHALLENGE C:

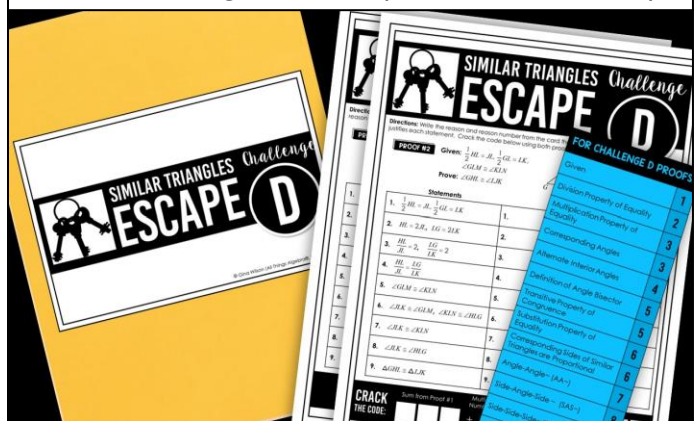
Identifying Similar Triangles



Contents: Challenge Card, Dry Erase Marker, Felt or Paper Towel to Erase, Puzzle Pieces

CHALLENGE D:

Similar Triangle Proofs (Includes 2 Proofs)



Contents: Challenge Cards, Dry Erase Marker, Felt or Paper Towel to Erase, Proof Reasons Card



SIMILAR TRIANGLES ESCAPE ROOM

TEACHER DIRECTIONS

CHALLENGE E:

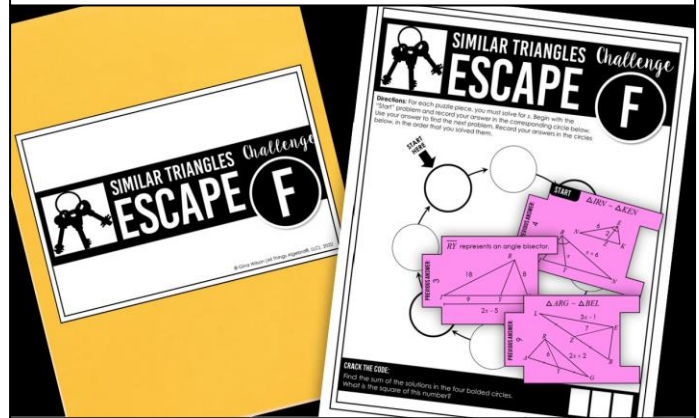
Parallel Lines & Proportional Parts



Contents: Challenge Card, Dry Erase Marker, Felt or Paper Towel to Erase, Puzzle Pieces

CHALLENGE F:

Parts of Similar Triangles



Contents: Challenge Card, Dry Erase Marker, Felt or Paper Towel to Erase, Puzzle Pieces

Additional Notes & Recommendations:

- Make a few envelopes for each challenge just in case more than one group is working on the same challenge at the same time.
- For challenge A, you will need metal fastener brads for the decoder wheel.
- As students bring challenge envelopes back to you, ensure all contents are there and everything has been erased from the challenge card.
- To cut down on some prep, you can have the students cut out the puzzle pieces and decoder wheel if you wish. *If you have a decoder wheel from one of my previous Escape Room activities, you can reuse them! They are the same decoder wheels ☺