

Name: _____
Date: _____

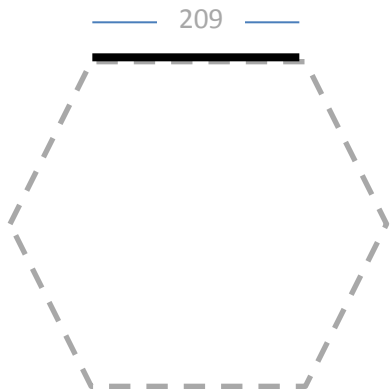
Strategy: Geometry
Worksheet: Word Problems

See if you can win these word problems. Can you do it?

The stone worker:

- (a) The stone worker wanted to know how many stones it takes to build a regular hexagonal building.
- (b) Each side takes 209 stones.
- (c) How many stones would it take altogether?

Work it out here.....



How Many Square Tiles Do I Have?

- (a) If I have this many square tiles, I can arrange them into a square and have three left over.
- (b) With these square tiles, I can form a rectangle whose one side is 3 more than the other side.
- (c) I have less than 60 square tiles

Work it out here.....

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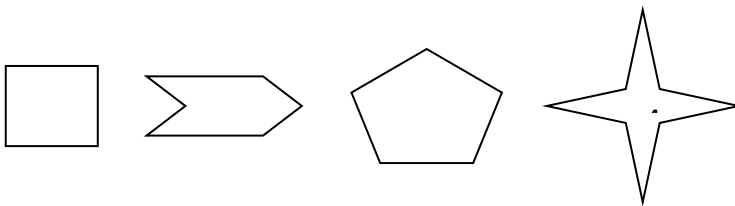
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How Many Square Tiles Do I Have?

- (a) If I have this many square tiles, I can arrange them into a square and have three left over.
- (b) With these square tiles, I can form a rectangle whose one side is 10 more than the other side.
- (c) I have less than 60 square tiles

Work it out here.....

Look at these shapes



Which one of these patterns best describes the sequence?

- a) square, pentagon, hexagon, , octagon
- b) square, octagon, hexagon, pentagon
- c) square, hexagon, pentagon, octagon
- d) square, hexagon ,octagon, pentagon,

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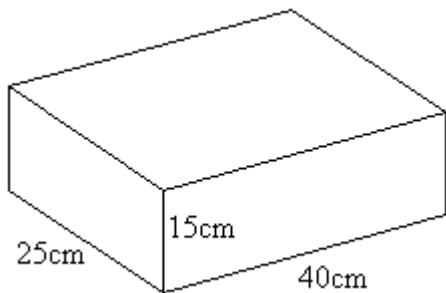
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What is the total amount of paper needed to cover this box?

- (a) 80 sq cm
- (b) 1975 sq cm
- (c) 3950 sq cm
- (d) 15000 sq cm

Work it out here.....



Chicken Tonight?

- (a) In a shed measuring 18m long and 12 metres wide caged egg laying hens can be kept at a rate of 18 hens per square metre.
- (b) How many hens could be caged in this shed?

Work it out here.....



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Dropping by?

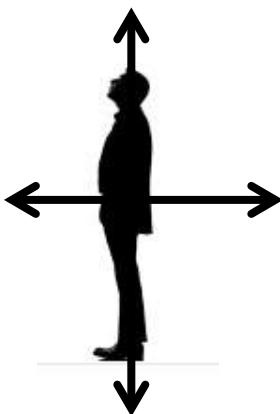
- (a) When Jay goes to where her mother works, she can go through 3 different doors into the ground floor. Then she can go to the 9th floor by taking 3 different elevators or 2 different stairways.
- (b) How many different ways can Jay get from outside the building to her mother's office on the 7th floor?

Work it out here.....

Which way is that?

- (a) Suppose that you are facing west. If you turn 90 degrees to the left three times, then 90 degrees to the right twice, what direction is your back facing?

Work it out here.....



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TetraCube

- (a) A TetraCube is a solid shape made by joining four identical cubes together, face to face.
- (b) How many different tetracube solids can you make?

Work it out here.....

Chicken Tonight?

- (a) If a measurement of a rectangular box is given in 64 cubic units, then the measurement represents the:
 - a. Distance around the top of the box
 - b. Length of an edge of the box
 - c. Surface area of the box
 - d. Volume of the box

Explain your reasoning here.....