

Math Practice Problems for Fourth Grade in Geometry

4G-20)

A map of a National Forest in Alaska has a scale of one inch for every 75 miles. The perimeter of the forest is 7,125 miles. How many inches would represent the perimeter on the map? Write to help explain your best thinking using words, numbers, or pictures.

4G-16)

There are two rectangles whose dimensions are whole numbers and whose area and perimeter are the same number. Find them. Write to help explain your best thinking using words, numbers, or pictures.

4G-15)

For Gilda's party, the Hoagie House prepared a huge sub sandwich on a 7-foot long Italian roll. Gilda wants to feed 16 friends. How many cuts must she make? Write to help explain your best thinking using words, numbers, or pictures.

4G-14)

Carla delivers packages in a secret underground building. Today she started on the first floor and went up 7 floors. Then she went down 3 floors, and then up 16 floors. She went up 2 more floors to the top floor of the building. How many floors were in this secret underground building? Write to help explain your best thinking using words, numbers, or pictures.

4G-13)

Lia and Carlos went on a bike ride with Anita. They left Anita's house and went 3 blocks to Maple Street and turned right. They went straight ahead 6 blocks to Pine and turned left. They went 4 blocks to Elm and turned left. Then they went straight ahead 4 blocks when Anita stopped, and said she wanted to go back to her house. What was the shortest way back to Anita's house? Write to help explain your best thinking using words, numbers, or pictures.

4G-12)

Sasha's family is having a big reunion on July 4. They borrowed tables and are setting them up outside. They can put three chairs on each side of the tables. If they set up 8 tables in a long row, with the tables together on one side, how many family members can sit down to eat? Write to help explain your best thinking using words, numbers, or pictures.

4G-11)

Penny works in the Package Palace. It is Penny's job to stamp the sides of packages that are not touching the floor and not touching another package. Today there are 25 packages on the floor. Penny put the packages in 5 stacks, and the sides of the stacks touch. How many sides of packages must Penny stamp? Write to help explain your best thinking using words, numbers, or pictures.

4G-10)

Alice watched an ant hunting for food. The ant was traveling in a straight line toward a crumb on the floor. Suddenly it turned around and crawled 9 inches back to Alice's shoe. Another ant joined it and together they hurried 11 inches back toward the crumb. The two ants stopped and came back 2 inches toward Alice's shoe. Finally they turned around and raced 5 inches to the crumb. How far was the crumb from Alice's shoe? Write to help explain your best thinking using words, numbers, or pictures.

4G-9)

Sandy and Mario are going into Tuneville Center to hear a band play. They can get in through two different entrances. Each entrance goes into a lobby that has a snack bar in it. There are five doors going from the lobby into the room where the band will play. How many different paths can Sandy and Mario take to get from outside Tuneville Center to their seats in the band room? Write to help explain your best thinking using words, numbers, or pictures.

4G-8)

"Follow me" said Marcy to Lea. The two girls left Lea's home. They walked forward 4 blocks on Mystery Road and turned left on Wax Way. They went forward 8 blocks and turned right onto Sandy Street. Lea was puzzled by now, but she kept following Marcy down Sandy Street for 3 blocks. Marcy stopped there and went into a house. Lea followed her. "Surprise! Happy birthday, Lea!" called the girls' friends when Lea came into the house. Can you show the path from Lea's home to the house where the birthday party was? Write to help explain your best thinking using words, numbers, or pictures.

4G-7)

The Wizard at Windows is washing all the windows in the building at 946 Third Street. There are 9 floors in the building and 12 offices on each floor, 6 offices across the back of the building and 6 offices across the front of the building. The outside wall of each office has 2 windows. How many windows does the Wizard have to wash? Write to help explain your best thinking using words, numbers, or pictures.

4G-6)

Describe a square and a rectangle. How are they alike? How are they different? Write to help explain your best thinking using words, numbers, or pictures.

4G-5)

Suppose that you are facing west. If you turn left three times, then twice to the right, what direction is behind you? Write to help explain your best thinking using words, numbers, or pictures.

4G-4)

Ryan made 9 cuts in a board to divide it into equal 5-inch-long pieces. How long was the board? Write to help explain your best thinking using words, numbers, or pictures.

4G-3)

Ellen leaves school and walks 25 blocks south. Then she turns east and walks 16 blocks. Then she turns north and walks 15 blocks. Then she turns west and walks 16 blocks. Is she north, south, east, or west of the school and how far? Write to help explain your best thinking using words, numbers, or pictures.

4G-2)

Jake plans to make 12 cuts in a board. There will be a 10-inch interval between cuts. How long is the board? Write to help explain your best thinking using words, numbers, or pictures.

4G-1)

Mary, Dave, Kim and Mike are sitting around a table. Kim is sitting across from Mary. Mary is sitting at Dave's right. Where is each person sitting? Write to help explain your best thinking using words, numbers, or pictures.