GRADE 12 ESSENTIAL
UNIT A – PROBLEM SOLVE
DRAW A PICTURE
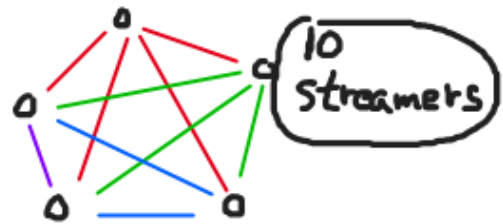
Name:_____
Date: _____

How Did the Hunter Get Hurt While Bending Over to Study Some Tracks?

Instructions: Draw a picture to help solve each problem. Use separate paper if you need. Cross out the box containing each correct answer.
When you finish, write the letters from the remaining boxes in the spaces at the bottom back of the page. *Show work!*

Draw Pictures

1 Hope's Mom baked a cake for Hope's birthday. It is in the shape of a rectangle 10 inches long and 6 inches wide. If she starts at one corner and puts a candle every 2 inches, how many candles will fit around the edge of the cake?

2 The deck in Hope's backyard is round. It has *5* posts evenly spaced around the edge to support a trellis. For her birthday party, she wants to connect each post to each other post with crepe-paper streamers. How many streamers will she need?
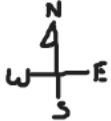
10 Streamers

Solve by drawing!

Do the Puzzle! Then you know you got the answers correct!

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3 Four friends went to a park to fly kites. Asher stood 50 feet due west of the flagpole. Baxter stood 50 feet due north of Asher. Cranby stood 100 feet due east of Baxter. Dudley stood 50 feet due south of Cranby. How far was Dudley from the flagpole?

N
E
W
S

4 Asher's kite flew the highest. Baxter's kite was 50 feet lower than Asher's but 100 feet higher than Cranby's. Cranby's kite was 100 feet higher than Dudley's. Dudley's kite was 300 feet above the ground. How high was Asher's kite?

5 Gompers is trying to cut a round pizza into the largest possible number of pieces with only 3 straight cuts of the knife. He can't restack or rearrange the pieces after a cut. What is the largest number of pieces he can cut?

6 Derek planted a garden in the shape of a square 32 feet on each side. The garden has a stream on one side, but he plans to build a fence on the other three sides. If he puts a fencepost every 8 feet, how many posts will he need?

Show pictures

Do the Puzzle! Then you know you got the answers correct!

MrF

7 Driving along Route 77, Zeke passed the towns of Bam, Jam, Ram, and Wam, in that order. He noticed it was 27 miles from Bam to Jam and 33 miles from Ram to Wam. On his return trip, he noticed it was 100 miles from Wam to Bam. How far is it from Jam to Ram?

8 Five cars entered the Euclidean Grand Prix auto race. They were given numbers for identification. Car 33 came in last. Car 55 came in ahead of Car 22 but behind Car 44. Car 22 came in ahead of Car 66. Which car won the race?

HE 13	AT 22	ST 50	SH 44	RA 19	SK 16	OT 40
IN 650	HI 66	BE 550	TH 52	~~HU 10~~	NT 7	IM 100

Do the puzzle

Do the Puzzle! Then you know you got the answers correct!