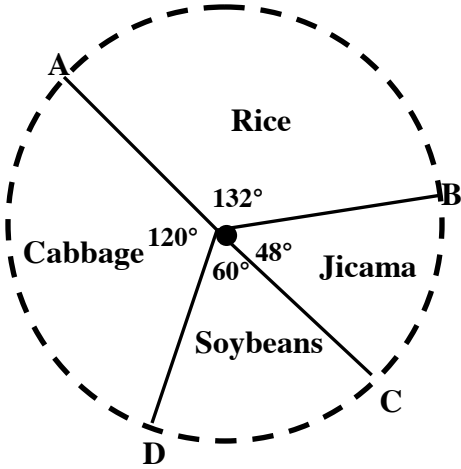


Name: _____ Hr: _____

NOTES: Arc length and Sector Area of Circles!

Storyline: Ha Poong[®] has a 6 mile wide farm that is enclosed by a circular fence. His farm is subdivided into four different sectors, where he grows Rice, Jicama, Soybeans, and Cabbage—as illustrated to the left.

Ha Poong needs our help!! (He's not too math savvy)



1.) What is the total length (circumference) of his fence?

2.) What is an arc?

3.) What is a semi-circle?

4.) What is a minor arc?

5.) What is a major arc?

6.) What is the arc length of each sector of Ha Poong's fence?

Rice

Jicama

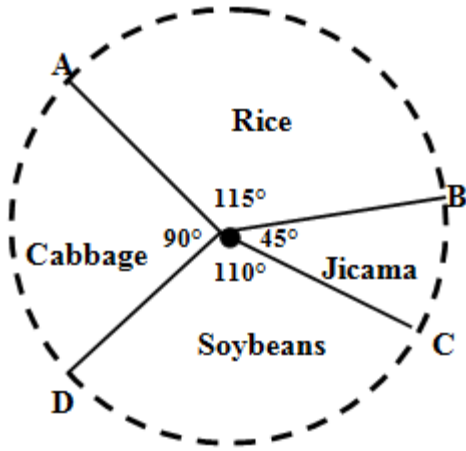
Soy

Cabbage

Rice&Jicama

Jicama&
Cabbage&Soy

Vertical lines for writing answers to question 6.



Storyline: Ha Poong[®] now has a BIGGER 10 mile wide farm that is enclosed by a circular fence. His farm is subdivided into four different sectors, where he grows Rice, Jicama, Soybeans, and Cabbage—as illustrated to the left.

7.) What is the TOTAL AREA of Mr. Poong’s circular farm?

8.) What is a sector?

9.) What is the sector area of each crop?

Rice

Jicama

Soy

Cabbage

Soy&Jicama

Rice&Cabbage