

Where is that flower?

Use your protractor to measure the angle between the sun and food source and calculate the distance from the hive to the food source. Remember $1s = 1km$ and the sun 'appears' to move 15 degrees per hour.

The bee takes 20s to complete the waggle phase of the dance.

Distance _____

Angle _____

How do the bees know the quality of the food?

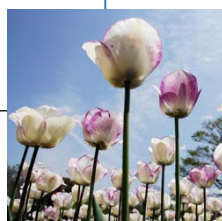


The bee takes 73s to complete the waggle phase of the dance.

Distance _____

Angle _____

This honey bee continues to do the waggle dance for 3 hours. Calculate and draw the angle after 3 hours?



Answers- Where is that flower?

Use your protractor to measure the angle between the sun and food source and calculate the distance from the hive to the food source. Remember $1s = 1km$ and the sun 'appears' to move 15 degrees per hour.

The bee takes 20s to complete the waggle phase of the dance.

Distance 20km

Angle _____

How do the bees know the quality of the food?

The speed of the returning loops lets the other bees know about the quality of the food source.



The bee takes 73s to complete the waggle phase of the dance.

Distance 73km

Angle _____

This honey bee continues to do the waggle dance for 3 hours. Calculate and draw the angle after 3 hours?

