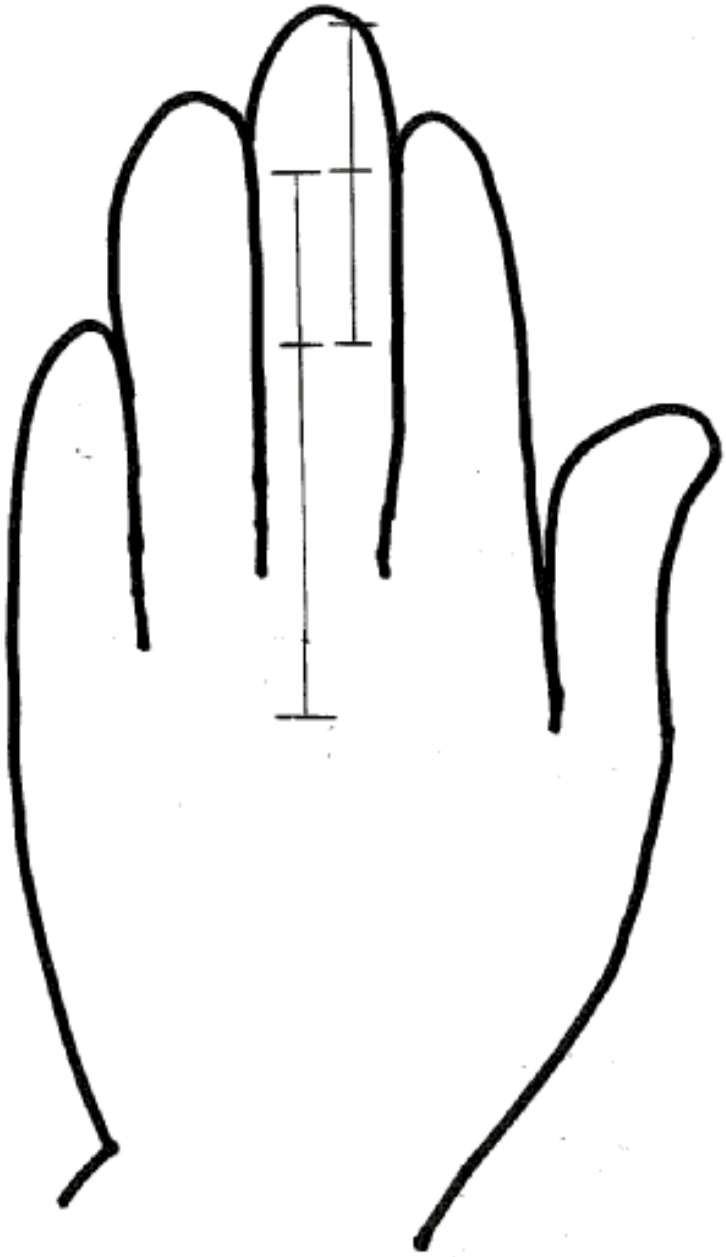
# “Fibonacci Sequence” (page 9)

מָה רַבּוּ מַעֲשֶׂיךָ ה׳ כֻּלָּם בְּחָכְמָה עָשִׂיתָ מָלְאָה הָאָרֶץ קִנְיָנֶךָ׃ (תהילים קד:כד)

“How great are Your works, God. You make them all with wisdom, the earth is full of Your possessions.” (Psalms 104:24)



מָה רַבּוּ מַעֲשֶׂיךָ ה' כֻּלָּם בְּחָכְמָה עָשִׂיתָ מָלְאָה הָאָרֶץ קִנְיָנֶךָ׃ (תהילים קד:כד)

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1. How many hands do you have? _____
   On each hand, how many fingers do you have? _____
   How many parts does each finger have? _____
   How many knuckles on each finger? _____

2. Measure the lengths of the bones in your finger (slightly bend your finger to see the bones more easily).

   Bone 1: _____

   Bone 2: _____

   Bone 3: _____

3. Calculate the ratio of the bones. (Note: to calculate ratio, create a fraction A/B then divide A by B.)

   Longest bone (A) to middle bone (B) : _____

   Middle bone (A) to shortest bone (B): _____

4. Measure your friends' hands and gather some statistics:

| | Name: | Name: | Name: |
|---|---|---|---|
| Bone 1 | | | |
| Bone 2 | | | |
| Bone 3 | | | |
| Ratio of longest to middle bone | | | |
| Ratio of middle to shortest bone | | | |

5. How is your hand an example of God's wisdom in creating the world?
_____
_____
_____
_____

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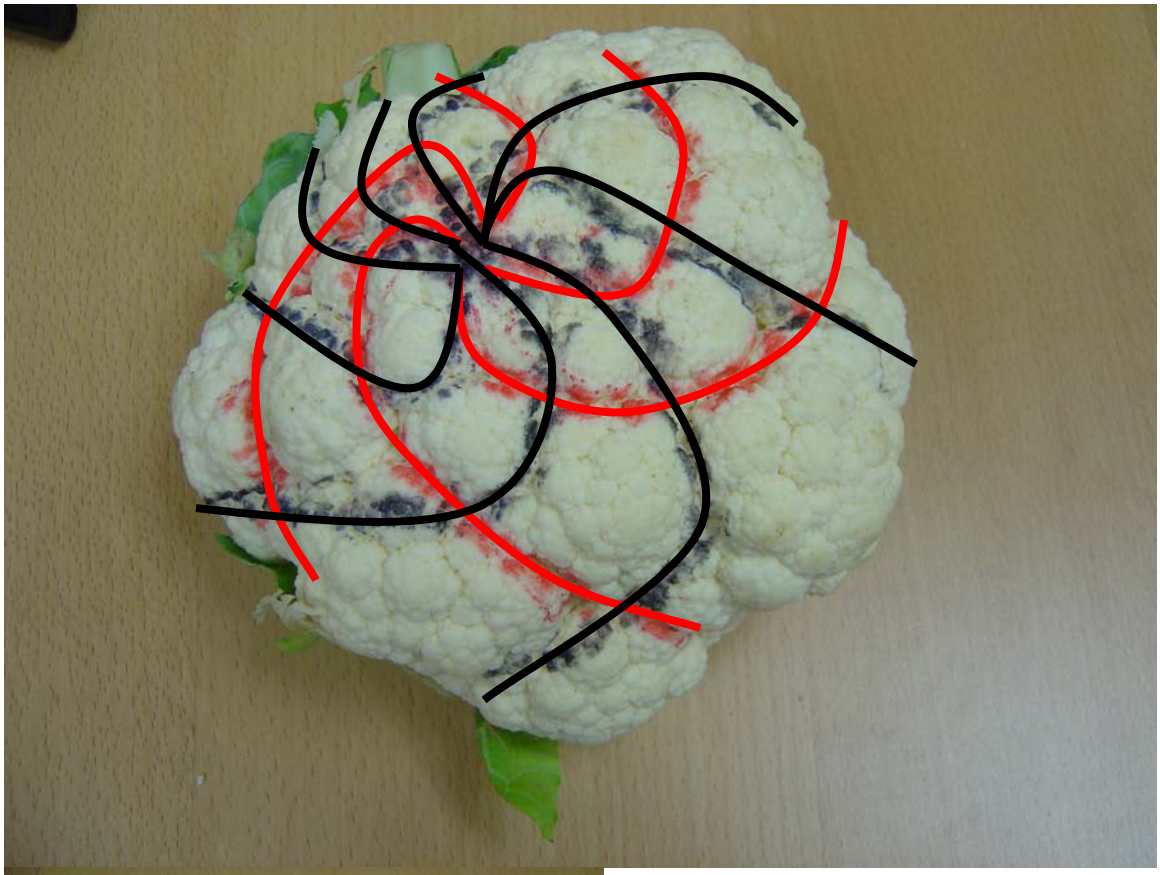

Cauliflower with spirals marked

A head of cauliflower

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"How great are Your works, God. You make them all with wisdom, the earth is full of Your possessions." (Psalms 104:24)

1. Look at the cauliflower on the table. Note that it has different sections. Looking carefully, you will see a center point, where the florets are smallest. If you look very closely, you will see that the florets are organized in spirals around this center in both directions. Draw a rough sketch of the cauliflower.

2. How many spirals are in each direction? _____ and _____

3. How many florets are in each spiral? _____ and _____

4. Now break off a single floret. Note that it looks like a mini-cauliflower, with its own florets arranged in spirals around its center.

How many spirals are in each direction?_____ and _____

5. How is the cauliflower an example of God's wisdom in creating the world?

_____
_____
_____
_____
_____