

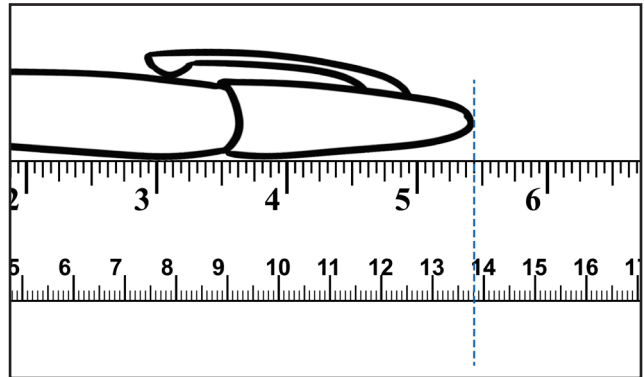
Measuring Distance - Set 1

MD 1

- 1** Measure the pen's length to the nearest sixteenth of an inch. Express the answer as a mixed number.

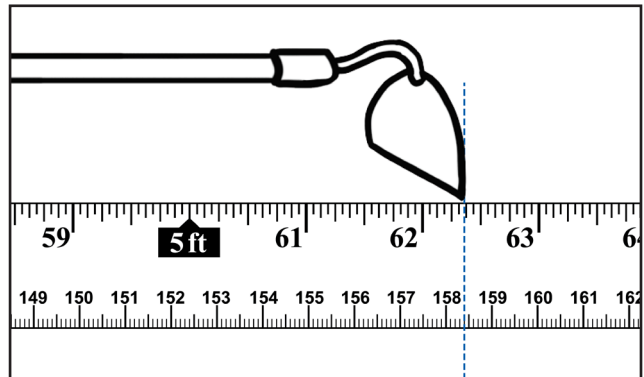
$$5\frac{7}{16} \text{ in}$$

- 2** Measure the pen's length to the nearest tenth of a centimeter. Express the answer as a decimal.



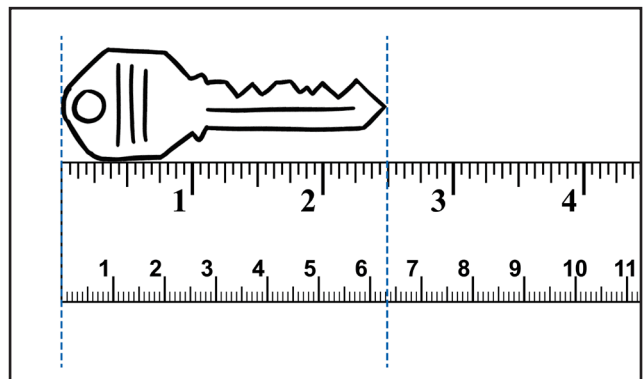
- 3** Measure the hoe's length to the nearest eighth of an inch. Express the answer as a mixed number.

- 4** Measure the hoe's length to the nearest tenth of a centimeter. Express the answer as a decimal.



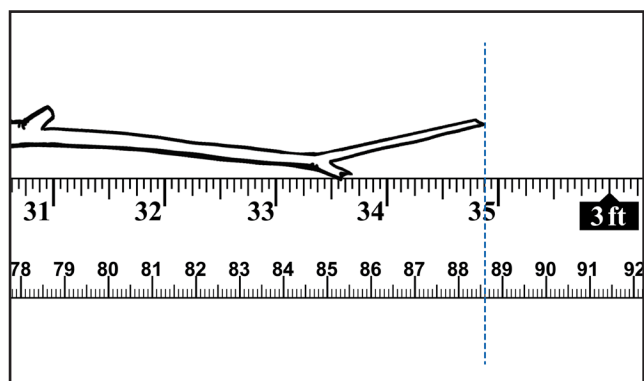
- 5** Measure the key's length to the nearest half of an inch. Express the answer as a mixed number.

- 6** Measure the key's length to the nearest millimeter. Express the answer as a whole number.



- 7** Measure the stick's length to the nearest eighth of an inch. Express the answer as a mixed number.

- 8** Measure the stick's length to the nearest tenth of a centimeter. Express the answer as a decimal.



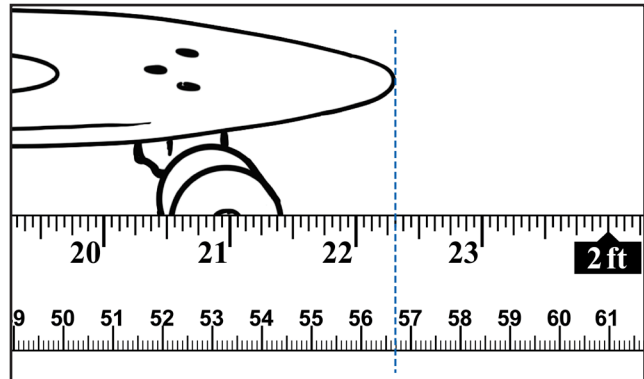
Measuring Distance - Set 2

MD 2

- 1 Measure the skateboard's length to the nearest sixteenth of an inch. Express the answer as a mixed number.

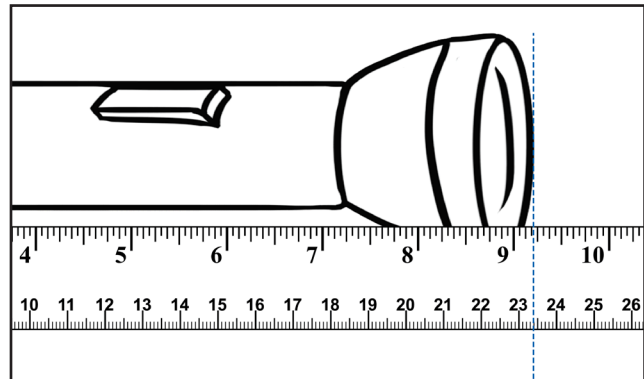
$$22 \frac{5}{16} \text{ in}$$

- 2 Measure the skateboard's length to the nearest tenth of a centimeter. Express the answer as a decimal.



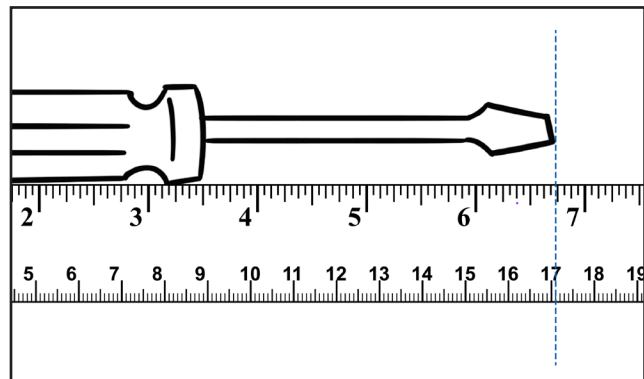
- 3 Measure the flashlight's length to the nearest sixteenth of an inch. Express the answer as a mixed number.

- 4 Measure the flashlight's length to the nearest tenth of a centimeter. Express the answer as a decimal.



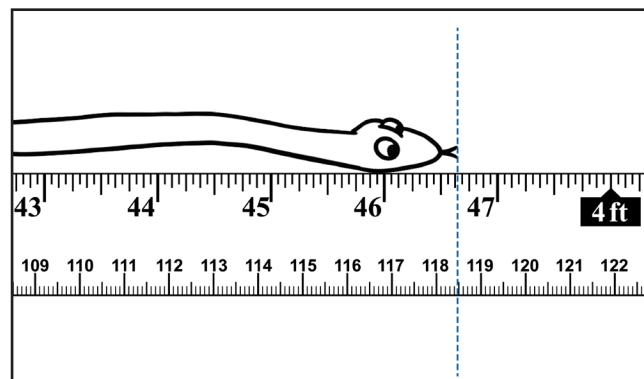
- 5 Measure the screwdriver's length to the nearest quarter inch. Express the answer as a mixed number.

- 6 Measure the screwdriver's length to the nearest tenth of a centimeter. Express the answer as a decimal.



- 7 Measure the snake's length to the nearest eighth of an inch. Express the answer as a mixed number.

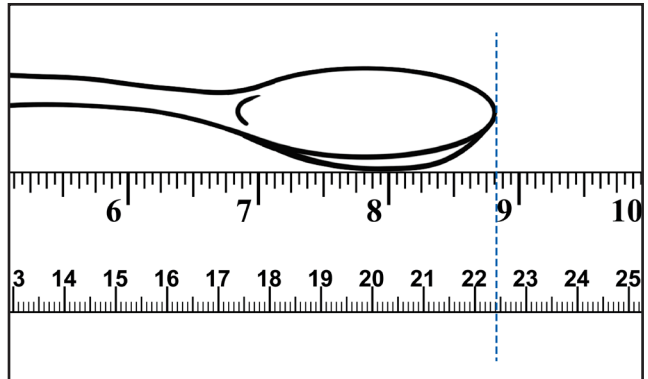
- 8 Measure the snake's length to the nearest half centimeter. Express the answer as a decimal.



Measuring Distance - Set 3

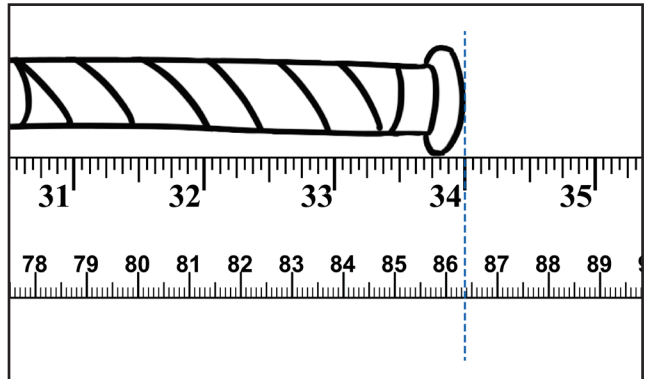
MD 3

- 1 Measure the spoon's length to the nearest sixteenth of an inch. Express the answer as a mixed number.



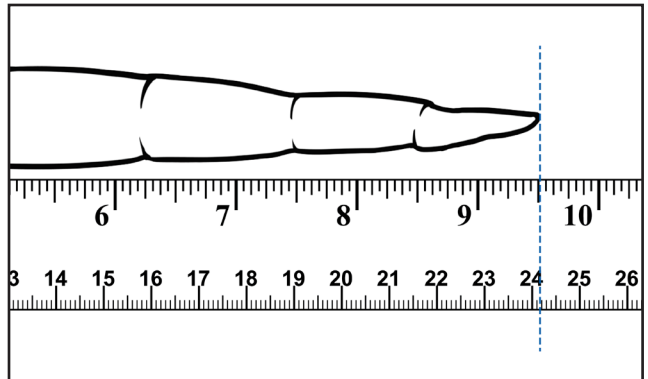
- 2 Measure the spoon's length to the nearest tenth of a centimeter. Express the answer as a decimal.

- 3 Measure the baseball bat's length to the nearest inch. Express the answer as a whole number.



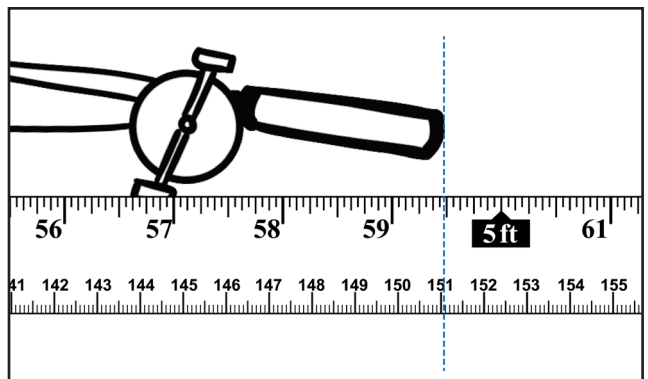
- 4 Measure the baseball bat's length to the nearest tenth of a centimeter. Express the answer as a decimal.

- 5 Measure the carrot's length to the nearest eighth of an inch. Express the answer as a mixed number.



- 6 Measure the carrot's length to the nearest tenth of a centimeter. Express the answer as a decimal.

- 7 Measure the fishing pole's length to the nearest half inch. Express the answer as a mixed number.



- 8 Measure the fishing pole's length to the nearest centimeter. Express the answer as a whole number.

Two Ways to Divide Inches

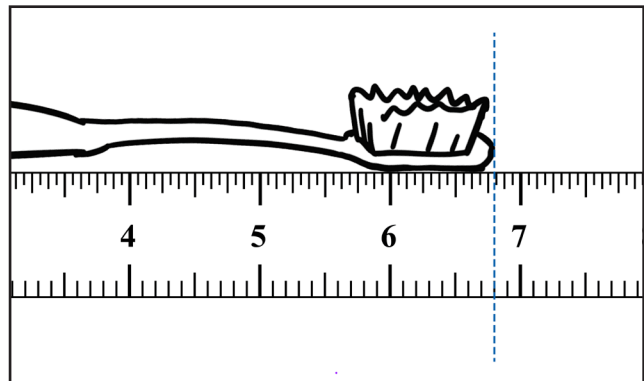
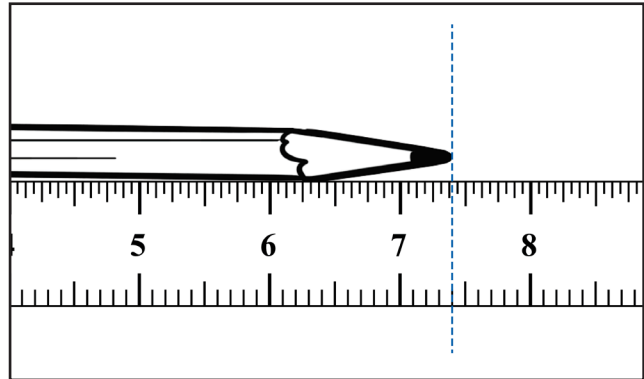
MD 4

1 Measure the pencil's length to the nearest eighth of an inch. Express the answer as a mixed number.

2 Measure the pencil's length to the nearest tenth of an inch. Express the answer as a decimal.

3 Measure the toothbrush's length to the nearest sixteenth of an inch. Express the answer as a mixed number.

4 Measure the toothbrush's length to the nearest tenth of an inch. Express the answer as a decimal.



Instructions: In the video, we learned that inches are sub-divided in two different ways: One is based on dividing by 10 and the other is based on dividing by 2. You can convert from a measurement that has fractions based on powers of 2 simply by dividing to get the equivalent decimal value, which is based on powers of 10. Use a calculator to convert these measurements.



5 $3\frac{1}{8}$ in

8 $9\frac{5}{32}$ in

6 $15\frac{5}{16}$ in

9 $10\frac{7}{8}$ in

7 $7\frac{5}{8}$ in

10 $1\frac{1}{32}$ in