

BODY CHOP PROJECT

Name: _____

Key

1. Extend your right arm out so that it is parallel with the ground. Find a student to measure the top of your shoulder to the tip of the middle finger.

Shoulder to middle finger measurement (nearest cm) : 79 cm

2. Stand straight up with your legs together. Measure from your naval (belly button) to the bottom of your feet.

Naval to the bottom of your feet measurement (nearest cm) : 107 cm

3. Once you have your Body Chop Picture (BCP), tape it to the back of this piece of paper on the top.

4. Using your Body Chop Picture (BCP), measure the top of your shoulder to the tip of the middle finger.

BCP shoulder to middle finger measurement (nearest cm): 6 cm

5. Define your variable. $x = \text{BCP Naval to the bottom of your feet measurement.}$

6. Create a proportion to solve for your BCP naval to the bottom of your feet measurement (nearest cm).

$$\frac{x}{107} = \frac{6}{79}$$

7. Solve your proportion. Show all of your work for full credit.

$$\frac{79x}{79} = \frac{642}{79}$$

$$x \approx 8.1 \text{ cm}$$

$$x = 8 \text{ cm (nearest cm)}$$

8. On the back side of this piece of paper, draw in your missing feet on your Body Chop Picture (BCP) (nearest cm).

