

Student Name: _____

Date: _____ Test Administrator _____

Workplace Math Skills Assessment

Section V - Metric Conversion _____ Mastery (7 out of 8 correct)
_____ Referred to training

1. 17 cm = _____ mm 2. 4 mm = _____ cm
3. 3 cm + 41 mm = _____ cm 4. 4 cm - 3 mm = _____ cm

Use the following job aid for the remaining problems.

When you know:	Multiply by:	To find:
inches	25.4	millimeters
	2.54	centimeters
millimeters	.04 (.03937)	inches
centimeters	.39 (.3937)	inches

5. If a part needs to be 9 ½ inches in diameter and you are using a catalogue that lists sizes in metric units, what size would you order? Give your answer in centimeters and millimeters.

_____ cm _____ mm

6. If you need to order a ball bearing with a bore size of .2500 inches from a catalogue that uses metric measurements, you need to convert this measurement. What would this measurement be in mm? in cm??

_____ mm _____ cm

7. What size part would you order if you need a 1 inch part and the catalogue uses metric sizing (lists sizes in mm and cm)?

_____ mm _____ cm

8. You need to order a ball bearing with a bore size of .7500 inches. If you are using a foreign catalogue that uses metric measurements, you need to convert this measurement. What would this measurement be in mm and cm?

_____ mm _____ cm