

EXAMINATION PREPARATION

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On behalf of The World Association of Technology Teachers

W.A.T.T.



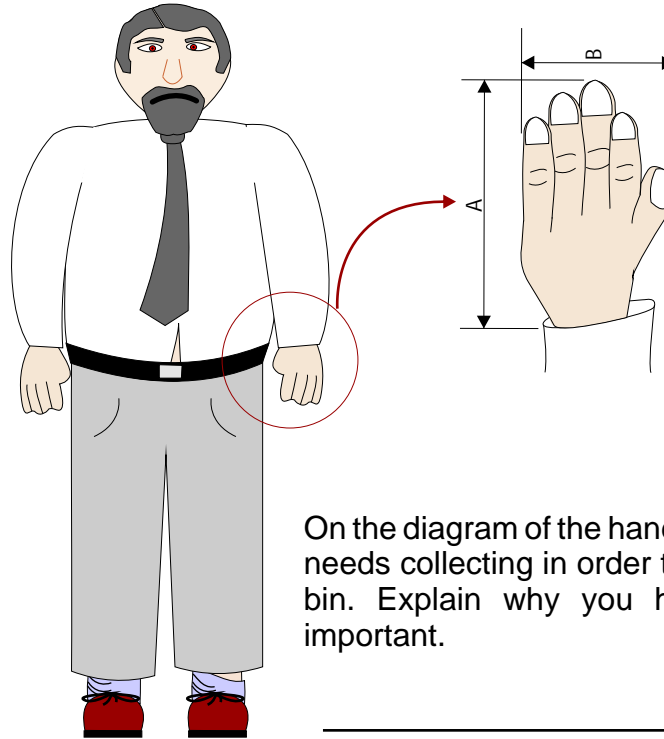
World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet .

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ERGONOMICS

PUPIL/PERSON	A	B
Adult A	100mm	53mm
Adult B	103mm	45mm
Adult C	90mm	47mm
Adult D	95mm	44mm
Adult E	102mm	50mm
Adult F	87mm	41mm
Adult G	75mm	43mm
Adult H	102mm	51mm
Adult I	104mm	51mm
Adult J	74mm	36mm
Adult K	78mm	46mm
Adult L	81mm	39mm
TOTAL(S)		
AVERAGE		



Data / measurements have been collected on two important dimensions of the hand.

When collated, this will give vital ergonomic measurements allowing designers to design an ergonomically accurate handle for a recycling bin.

1. Calculate the totals for columns A and B.
2. Calculate the mean average for each column.

On the diagram of the hand, label one more measurements that you think needs collecting in order to design an ergonomic handle for a recycling bin. Explain why you have selected this measurement as being important.

Why do designers and architects use ergonomics when designing buildings / products for customers?

Describe an example of poor ergonomics? this could be a product that you have used or seen.
