Hot mug challenge

Measurement At Home

NPLO

#MeasurementAtHome npl.co.uk/measurement-at-home/hot-mug-challenge

hot water can scald, take extreme care

Adult direction or supervision is required. All experiments are carried out at your own risk. For more experiments, visit <u>NPL Measurement at Home</u>.



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	describe what container is made of	room temperature at start (in °C)	(A) time when water reaches 60 °C	(B) time when water reaches 50 °C	(C) time when water reaches 40 °C	room temperature at end (in °C)	(B)-(A) calculate time taken to cool from 60 to 50 °C (in minutes)	(C)-(B) calculate time taken to cool from 50 to 40 °C (in minutes)	
	example: polystyrene cup with thin plastic lid.	20	11:06	11:12	11:25	21	6	13	i i
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