07 Modelling & graphics.

WORKSHEET 07 · TOPIC 07 · USE COURSE NOTES PAGES 42–46 TO HELP YOU.

NAME | CLASS | DATE

TASK 1 Choose the model

SITUATION	TYPE OF MODEL	REASON
Trying out ten shapes for a phone holder in one lesson		
Checking that a hair-dryer handle feels right in the hand		
Seeing if a garden bench will fit on a small patio		
Showing a client realistic colour options and sending them by email		

TASK 2 Sketch model vs block model

2 + 2 marks

You must give different benefits in (a) and (b).

(a) Describe two benefits of using sketch models.

(b) Describe two benefits of using block models.

TASK 3 Graphics for a purpose

6 marks

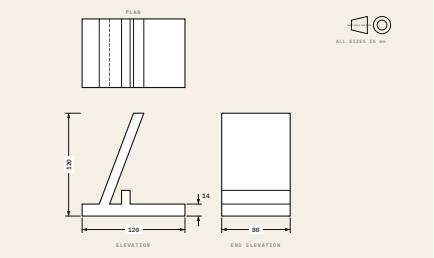


Fig. A Working drawing

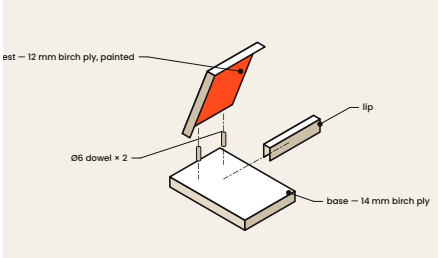


Fig. B Exploded view

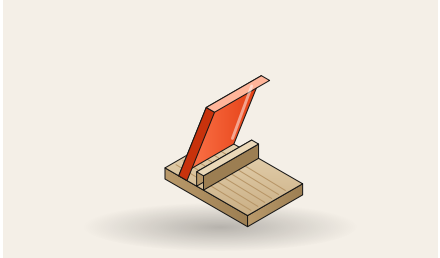


Fig. C Rendered pictorial

Outline two reasons for using each graphic. Give different reasons each time.

A

B

C

TASK 4 Thumbnails to annotated sketch

Design a **toothbrush holder for a family of four**. Sketch six quick thumbnail ideas, then develop one into an annotated sketch that explains materials, sizes and how it works.

TASK 5 Plan a model with a purpose

WHAT WILL THE MODEL TEST?

TYPE OF MODEL AND MATERIAL

HOW WILL YOU TEST IT?

HOW WILL YOU RECORD WHAT YOU FIND?