

Notes to candidates

Before you start to write your specification. You must select a brief and read the ‘Instructions for candidates’ which give details of the skills you must demonstrate and the type of evidence you must provide.

You should speak to your teacher before you start if you are unclear about what is required for this assessment.

You should use information from the brief and findings from the research to complete the specification below.

DESIGN BRIEF 3 – toddler travel tray
The company would like a proposal for a product which keeps a toddler entertained during long car journeys.

The product must be inspired by ‘summer time’, be portable and have an element of fun.

Specification

The product must:

- ♦ allow you to demonstrate appropriate practical skills

| | | | | | | | | | | | | | | | | |
|-------------------|--|------|--|--|--|--|--|--|--|--|--|--|-------|--|-----|--|
| Name: | | SCN: | | | | | | | | | | | | | | |
| Research findings | | | | | | | | | | | | | Page: | | Of: | |

FUNCTION

I CARRIED OUT AN INTERVIEW WITH A POTENTIAL END-USER.

WHAT ACTIVITIES DOES YOUR TODDLER DO TO STAY ENTERTAINED ON LONG CAR JOURNEYS?

COLOURS, PLAYS ON THEIR TABLET AND EATS SNACKS.

WHAT FEATURES ARE ESSENTIAL?

A FLAT SURFACE, BIG ENOUGH FOR A SHEET OF A4 PAPER WHEN DRAWING OR FOR LAYING A TABLET ON.

SHOULD THE TRAVEL TRAY INCLUDE ANYTHING ELSE?

A DRINKS HOLDER WOULD BE GOOD.

SHOULD THE TRAVEL TRAY SIT OVER THE CHILD'S LAP OR ATTACH TO THE SEAT IN FRONT?

EITHER COULD WORK.



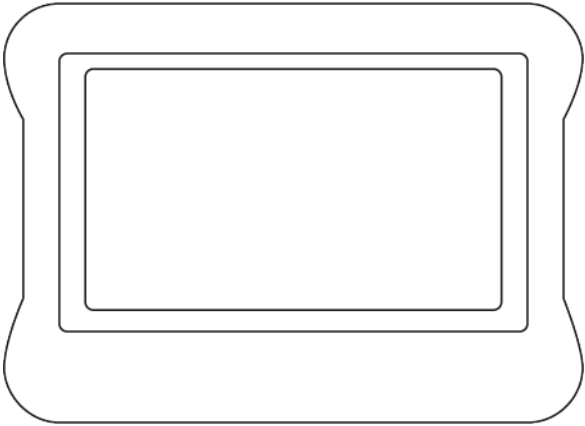
A4 PAPER
Length - 297 mm
Width - 210 mm



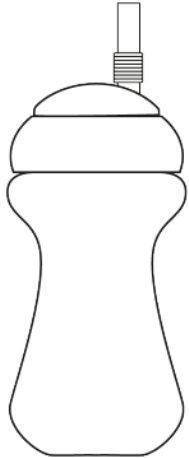
PENCIL
Length - 170 mm
Diameter - 8 mm

FUNCTION

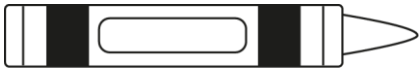
MEASUREMENTS OF ITEMS THE PRODUCT COULD HOLD.

A line drawing of a rectangular tablet with rounded corners, enclosed within a slightly larger rectangular case with rounded corners and a small notch at the top.

KIDS' TABLET WITH CASE
Length - 220 mm
Width - 208 mm
Depth - 26 mm
Stand is 95 mm when down.



TODDLERS' CUP
Height - 203 mm
Widest Diameter - 100 mm



CRAYON
Length - 89 mm
Diameter - 8 mm

HIP WIDTH OF CHILD

| Standing and seated figures | | Adult male | | | Adult female | | | 4-year-old child | | |
|-----------------------------|-----------------|------------|------|------|--------------|------|------|------------------|------|------|
| | | Percentile | | | Percentile | | | Percentile | | |
| | | 5th | 50th | 95th | 5th | 50th | 95th | 5th | 50th | 95th |
| A | Height | 1642 | 1756 | 1870 | 1515 | 1621 | 1827 | 974 | 1053 | 1133 |
| B | Eye level | 1528 | 1641 | 1754 | 1410 | 1516 | 1616 | 872 | 951 | 1030 |
| C | Shoulder height | 1345 | 1451 | 1556 | 1231 | 1330 | 1429 | 749 | 828 | 906 |
| D | Elbow height | 1021 | 1107 | 1192 | 948 | 1021 | 1094 | 552 | 607 | 662 |
| E | Shoulder width | 443 | 484 | 537 | 390 | 452 | 523 | 234 | 257 | 287 |
| F | Hip width | 315 | 354 | 403 | 330 | 371 | 442 | 175 | 192 | 209 |

ENVIRONMENT

I MEASURED THE SPACE BETWEEN A SMALL CHILD AND THE SEAT IN FRONT, THE TRAVEL TRAY HAS TO FIT WITHIN THIS AREA OF 700 mm

