

Name \_\_\_\_\_

Class \_\_\_\_\_

Date \_\_\_\_\_

## By the end of this worksheet I can...

- ☐ identify flashing, ejector marks, draft angles and injection points
- ☐ explain how ribs and webs strengthen a moulded part

### I DO

## Worked example

Read how a full-mark answer is built

*A TV remote control casing is injection moulded in two parts.*

### 1 State two features that show the casing was injection moulded. (2 marks)

**Points that earn marks** from the marking instructions: one ✓ per point

- ✓ Ejector pin marks (small circles)
- ✓ Injection point mark

### Why marks are not awarded

- X "Smooth" or "shiny" on their own

### YOU DO

## On your own

No notes. Check your answers afterwards.

### 3 Quick check: tick one box for each.

#### a) Why are ribs added to the inside of a plastic casing?

- ☐ To make the casing heavier so it feels solid and expensive
- ☐ To give a better grip on the outside of the casing
- ☐ Add rigidity without thick walls and hold internal parts
- ☐ To use up any extra plastic left in the mould

#### b) Thin excess plastic along the edge of a moulded part is called...

- ☐ Draft
- ☐ Rib
- ☐ Ejector pin mark
- ☐ Flashing

## Check and reflect

Mark your answers with the answer sheet. Go back to the checklist on the site and re-rate each "I can" statement above. Which one still needs work?

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