

Junior Tech Rep Challenge

You are the WB tech rep! Pick the right crane for the job.

JOB CARD

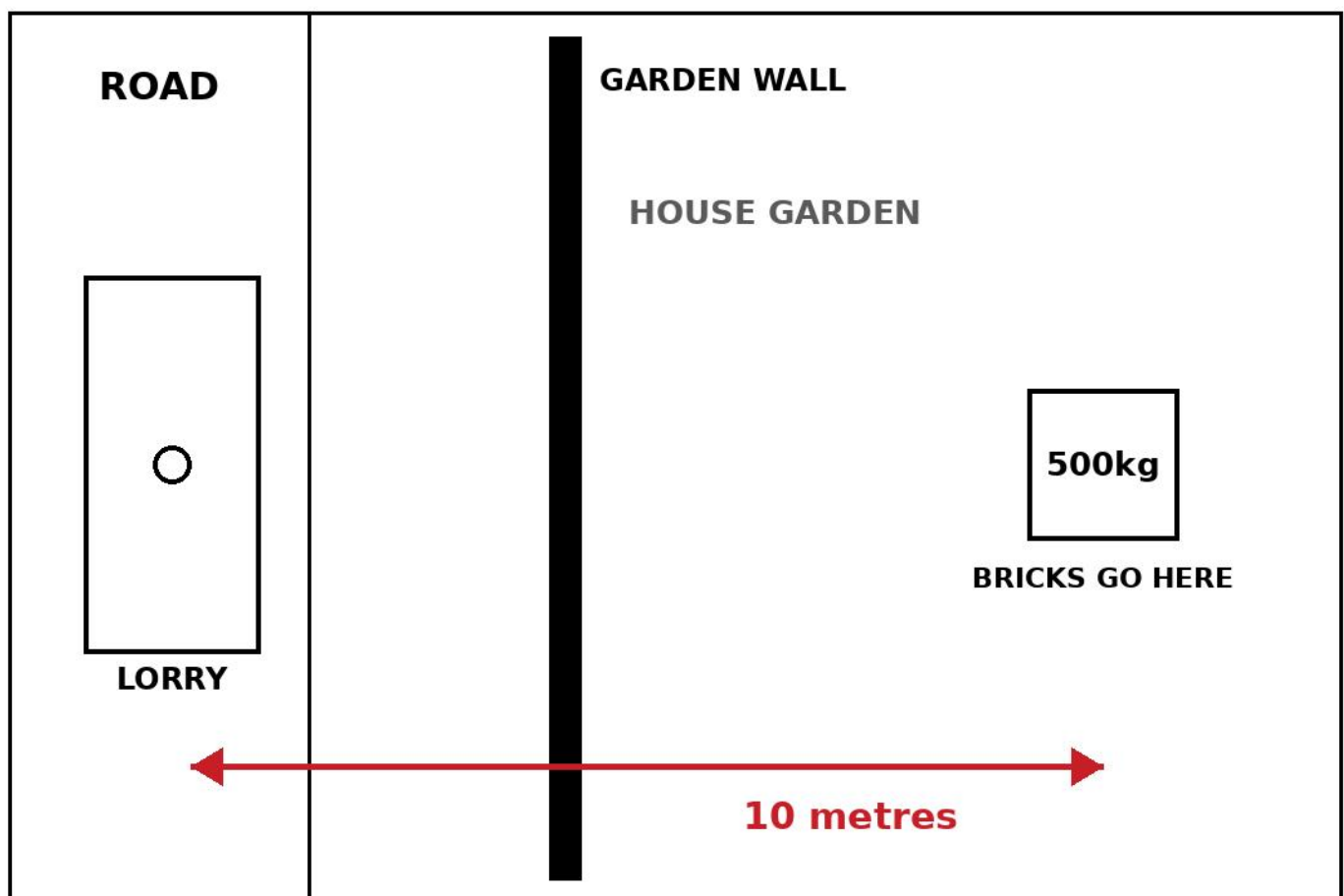
Customer needs: a 500 kg pallet of bricks lifted over a garden wall.

Distance from lorry to where it goes: 10 metres.

The street is narrow, so a giant lorry won't fit!

Your job: choose the crane that can do it SAFELY.

SITE SKETCH



Name: _____ Age: _____

Crane Duty Charts

Example charts for fun - NOT real crane data

Small Wally

Small lorry - fits narrow streets

Pick:

☐

Reach	4 m	6 m	8 m	10 m
Max load	1200 kg	700 kg	450 kg	300 kg

Medium Wally

Medium lorry - fits narrow streets

Pick:

☐

Reach	4 m	6 m	8 m	10 m
Max load	2500 kg	1500 kg	950 kg	650 kg

Long Reach Wally

GIANT lorry - too big for narrow streets

Pick:

☐

Reach	4 m	10 m	20 m	30 m
Max load	9000 kg	4000 kg	1800 kg	700 kg

SAFETY TIP

Never lift more than the chart says! A real tech rep always checks the load, the reach and the site first.

Name: _____ Age: _____

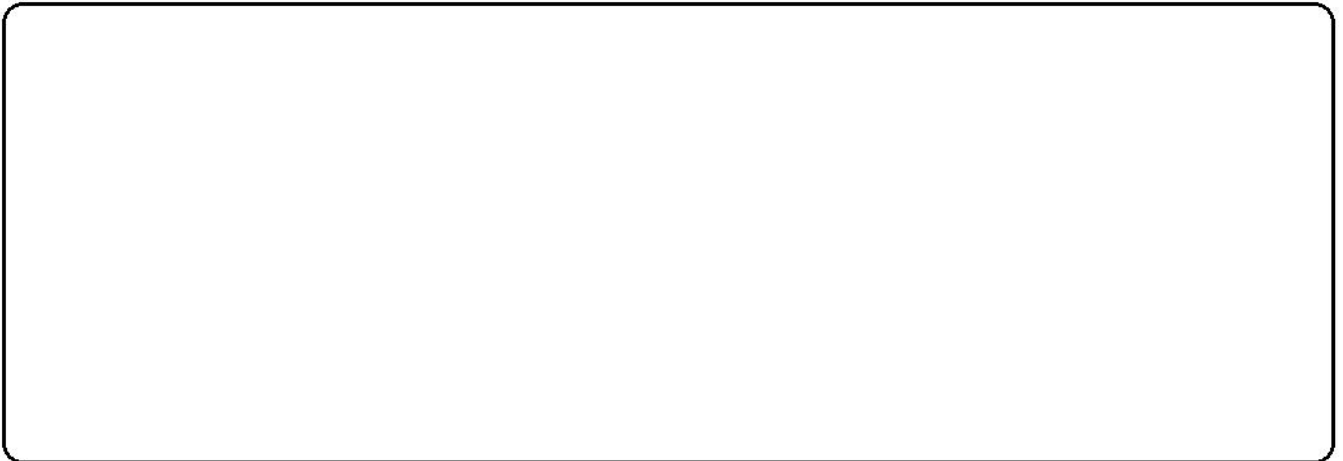
My Choice

Tick the crane you picked on page 2, then explain why.

I picked: ☐ Small Wally ☐ Medium Wally ☐ Long Reach Wally

Why did you pick it?

Draw your crane doing the lift:



ANSWER: Medium Wally! At 10 m it can lift 650 kg, more than the 500 kg of the Small Wally only lifts 300 kg at 10 m - too weak. Long Reach Wally is far too big for the job and won't fit down the narrow street.

Name: _____ Age: _____