

Task: Car Box

Approach: Station
Focus: Measurement sense
Resources: Ruler, toy car, paper

Year: 4 & 8

Questions / instructions:

Put the toy car on the paper. Use the ruler to find out how long, how wide and how high this toy car is.



(Note: Measurement required in centimeters for year 4 and in millimeters for year 8.)

1. How long is the car?

Y4 only: 7 or 8 cm
7.2 – 7.7 cm

Y8 only: 72 – 77 mm
7.2 – 7.7 cm

2. How wide is the car?

Y4 only: 2.8 – 3.2 cm

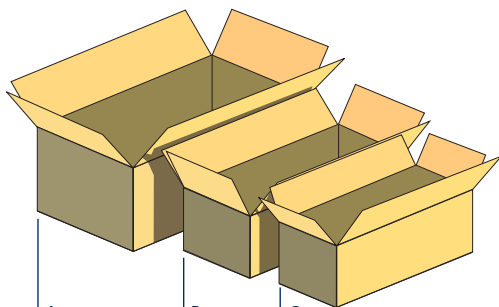
Y8 only: 28 – 32 mm
2.8 – 3.2 cm

3. How high is the car?

Y4 only: 2.6 – 3.0 cm

Y8 only: 26 – 30 mm
2.6 – 3.0 cm

Here is a picture of some boxes with their measurements.



A

B

C

Year 4: 9 cm x
5 cm x
4 cm

8 cm x
4 cm x
3 cm

7 cm x
3 cm x
3 cm

Year 8: 90 mm x
50 mm x
40 mm

80 mm x
40 mm x
30 mm

70 mm x
30 mm x
30 mm

4. Which box would best fit the car?

A 19 47

Total score: 7–8 4 17

5–6 31 20

3–4 34 30

0–2 32 22

Commentary:

This was a very difficult task for year 4 students. Only 4 percent were completely successful.