

Use the key to help you answer the following:

1 inch= 2.54 cm
1 foot= 12 inches

Example 1: Convert 25inches to cm

If 1 inch= 2.54cm, to find 25inches, I need to multiply 25 by 2.54
 $25 \times 2.54 = \underline{63.5\text{cm}}$

Example 2: Convert 4 feet to cm

If 1 foot = 12 inches, to find 4 foot, I need to multiply 4 by 12
 $4 \times 12 = \underline{48 \text{ inches}}$

Converting Units of Length

1 If 1 inch \approx 2.54 cm and 1 foot = 12 inches, fill in the blanks.

(a) 30 inches \approx cm

a=

(b) 40 inches \approx cm

b=

(c) 3 feet \approx cm

c=

(d) 3 feet 6 inches \approx cm

d=

2 (a) Circle the shortest length.

10 inches 10 cm 3 inches 13 cm

2a=

(b) Circle the longest length.

12 feet 12 m 12 inches 12 cm

2b=






Question 3 is below.

This may be quite hard but please try your best and don't worry if you're stuck completely! This is something we will go over when we return to school.

Try your best.

3 Some children each folded a paper aeroplane and recorded the distance their paper aeroplane travelled.

(a) If 1 inch \approx 2.54 cm and 1 foot = 12 inches, complete this table.

Name	in inches	in feet and inches	in cm
			330 cm
		9 feet 10 inches	
			345 cm
	140 inches		
		10 feet 2 inches	

Example:

in inches: 330cm divided by 2.54cm= 129.9inches

in feet and inches:

129.9inches- 120inches (10 foot) = 9.9 inches.

Answer= 10ft 9.9inches

inches=

cm=

inches=

feet and inches=

feet and inches=

cm=

inches=

cm=

(b) Whose paper aeroplane travelled the furthest?