

# Homework/Extension

## Step 4: Draw Accurately

### National Curriculum Objectives:

Mathematics Year 3: (3G3a) [Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them](#)

### Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Identify the odd one out by measuring to the nearest cm. Horizontal lines only.

**Expected** Identify the odd one out by measuring to the nearest mm. Mostly horizontal lines with some diagonal lines.

**Greater Depth** Identify the odd one out by measuring to the nearest mm. Diagonal lines.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Measure and draw missing lines to the nearest cm using provided lines as a guide. Identify measurements for all lines. Horizontal lines only.

**Expected** Measure and draw missing lines to the nearest mm using provided lines as a guide. Identify measurements for all lines. Mostly horizontal lines with some diagonal lines. Measurements written in expanded form ie. 10cm 8mm.

**Greater Depth** Measure and draw missing lines to the nearest mm using provided lines as a guide. Identify measurements for all lines. Horizontal and diagonal lines; some which must meet a point. Measurements written in expanded form ie. 10cm 8mm.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

**Developing** Decide if a statement is correct by measuring to the nearest cm. Horizontal lines only.

**Expected** Decide if a statement is correct by measuring to the nearest mm. Mostly horizontal and vertical lines with some diagonal lines. Measurements written in expanded form ie. 10cm 8mm.




**Greater Depth** Decide if a statement is correct by measuring to the nearest mm. Pairs of diagonal lines that meet a point. Measurements written in expanded form ie. 10cm 8mm.

More [Year 3 Properties of Shapes](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

# Draw Accurately

1. Measure these lines to the nearest cm. Which line is the odd one out?

A	
B	
C	



VF  
HW/Ext

2. The lines below have been ordered from shortest to longest. Draw lines B and D to complete them and then write the measurements for all the lines in the boxes.

A 

B

C 

D



VF  
HW/Ext

3. Joshua has been measuring some lines.



All of my lines are longer than 4cm but shorter than 10cm.







Is he correct? Explain how you know.



RPS  
HW/Ext

# Draw Accurately

4. Measure these lines to the nearest mm. Which line is the odd one out?

A	
B	
C	
D	



VF  
HW/Ext

5. All the lines below have been ordered from shortest to longest. Draw lines B and D. to complete them and then write the measurements for all the lines in the boxes.

A 

cm   mm

B

cm   mm

C 

cm   mm

D

cm   mm

E 

cm   mm

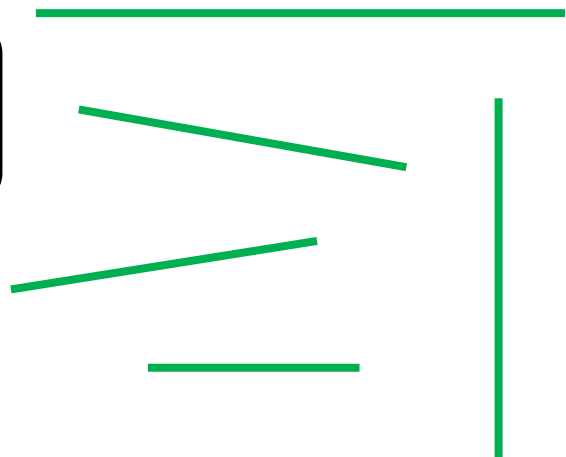


VF  
HW/Ext

6. Jack has been measuring some lines.



All of my lines are longer than 3cm 5mm but shorter than 7cm 5mm.



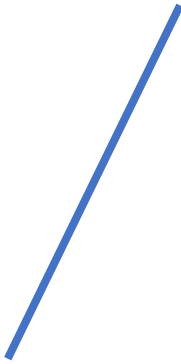
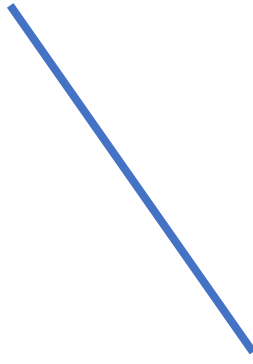
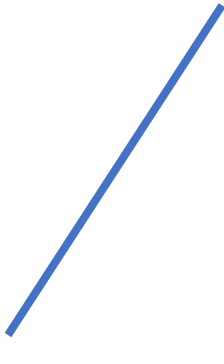
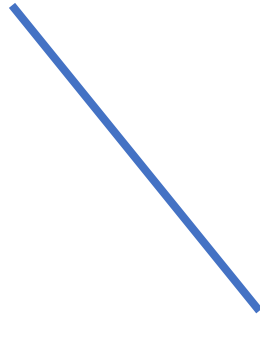
Is he correct? Explain how you know.



RPS  
HW/Ext

# Draw Accurately

7. Measure these lines to the nearest mm. Which line is the odd one out?

A	B	C	D
			



VF  
HW/Ext

8. All the lines below have been ordered from shortest to longest. Draw lines B and D to complete them and then write the measurements for all the lines in the boxes.

A	B	C	D	E
				

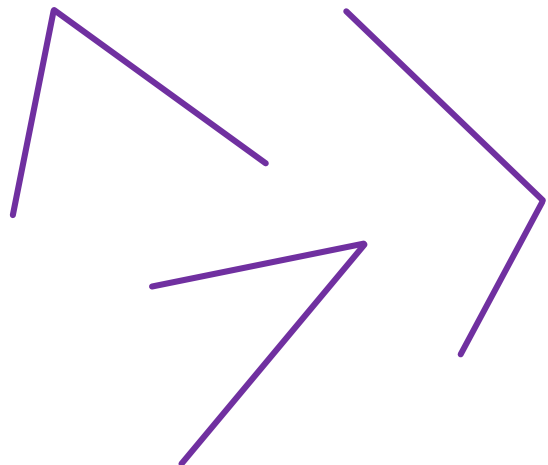


VF  
HW/Ext

9. Gemma has been measuring pairs of lines.



The total length of each pair of lines is longer than 6cm 1mm.



Is she correct? Explain how you know.



RPS  
HW/Ext

# Homework/Extension

## Draw Accurately

*Due to printer variations, children's measurements may vary slightly from answers given.*

### Developing

1. **A**
2. **A – 2cm; B – 3cm or 4cm or 5cm; C – 6cm; D – 7cm or longer**
3. **Joshua is incorrect because one of his lines is 3cm.**

### Expected

4. **B**
5. **A – 1cm 8mm; B – a line longer than 1cm 8mm and shorter than 7cm 4mm; C – 7cm 4mm; D – a line longer than 7cm 4mm and shorter than 9cm 2mm; E – 9cm 2mm**
6. **Jack is incorrect because one of his lines is 2cm 8mm.**

### Greater Depth

7. **B**
8. **A – 2cm 5mm; B – a line longer than 2cm 5mm and shorter than 4cm 4mm; C – 4cm 3mm; D – a line longer than 4cm 3mm and shorter than 5cm 3mm; E – 5cm 3mm**
9. **Gemma is incorrect because one pair of lines has a total length of 5cm 9mm.**