Varied Fluency Step 3: Equivalent Lengths-mm and cm

National Curriculum Objectives:

Mathematics Year 3:(3M1a) <u>Compare lengths (m/cm/mm)</u> Mathematics Year 3:(3M2a) <u>Measure lengths (m/cm/mm)</u>

Differentiation:

Developing Questions to support converting from mm to cm and vice versa. Lengths in multiples of 10mm.

Expected Questions to support converting from mm to cm and vice versa. Lengths in increments of 1mm.

Greater Depth Questions to support converting from mm to cm and vice versa. Lengths in increments of 1mm, using 0 as a place holder in the tens columns for some lengths.

More <u>Year 3 Length and Perimeter</u> resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.



Equivalent Lengths-mm and cm

Equivalent Lengths-mm and cm



Varied Fluency – Equivalent Lengths – mm and cm – Year 3 Developing

Equivalent Lengths-mm and cm Equivalent Lengths-mm and cm



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Varied Fluency – Equivalent Lengths – mm and cm – Year 3 Expected

Equivalent Lengths-mm and cm

Equivalent Lengths-mm and cm



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Varied Fluency – Equivalent Lengths – mm and cm – Year 3 Greater Depth

Varied Fluency Equivalent Lengths-mm and cm

Developing

1a. Various possible answers, including: 6cm 0mm, 5cm 10mm
2a. 30mm = 3cm 40mm = 4cm 10cm = 100mm 5cm = 50mm
3a. 8cm 10mm
4a. 6cm 0mm

Expected

5a. Various possible answers, including: 6cm 2mm, 5cm 12mm 6a. 33mm = 3cm 3mm; 45mm = 4cm 5mm; 360mm = 36cm 0mm; 8cm 2mm = 82mm 7a. 533mm 8a. 56cm 1mm 50cm 61mm

Greater Depth

Varied Fluency Equivalent Lengths-mm and cm

<u>Developing</u>

1b. Various possible answers, including: 9cm 0mm, 8cm 10mm 2b. 80mm = 8cm 0mm 2cm = 20mm 30cm = 300mm 9cm 0mm = 90mm 3b. 2cm 0mm 4b. 9cm 0mm <u>Expected</u>

5b. Various possible answers, including:
9cm 9mm, 8cm 19mm
6b. 76mm = 7cm 6mm
95mm = 9cm 5mm
489cm = 48cm 9mm
6cm 9mm = 69mm
7b. 4cm 4mm
8b. 85mm
75mm 1cm

<u>Greater Depth</u>

9b. Various possible answers, including:
70cm 9mm, 80cm 109mm
10b. 78mm = 7cm 8mm
70cm 8mm = 708mm
780mm = 78cm 0mm
7cm 18mm = 88mm
11b. 5cm 8mm
11b. 5cm 8mm
12b. 90cm 5mm
80cm 105mm

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Varied Fluency – Equivalent Lengths – mm and cm ANSWERS