

Varied Fluency Shapes – Same Area

Developing

1a. B and C

2a. Any rectilinear shape with an area of 14cm^2 .

3a. Any rectangles with an area of 18cm^2 .
For example: $1\text{cm} \times 18\text{cm}$; $2\text{cm} \times 9\text{cm}$; $3\text{cm} \times 6\text{cm}$.

4a. A. 12cm ; B. 3cm ; C. 4cm

Expected

5a. A, B and C

6a. Any rectilinear shape with an area of 18cm^2 .

7a. Any combination of 3 rectangles with a combined area of 24cm^2 and where at least one side includes a half measurement. For example: $1.5\text{cm} \times 16\text{cm}$.

8a. A. 72cm ; B. 3cm ; C. 9cm

Greater Depth

9a. A, C and D

10a. Any rectilinear shape with an area of 3cm^2 (when square measures 15mm).

11a. Any composite rectilinear shapes with an area of 36cm^2 , where a conversion has taken place and where one side measures 15mm . For example: $6\text{cm} \times 15\text{mm} + 30\text{mm} \times 9\text{cm} = 36\text{cm}^2$.

12a. A. 50cm ; B. 5cm ; C. 30cm

Varied Fluency Shapes – Same Area

Developing

1b. A, B and C

2b. Any rectilinear shape with an area of 15cm^2 .

3b. Any rectangles with an area of 12cm^2 .
For example: $1\text{cm} \times 12\text{cm}$; $2\text{cm} \times 6\text{cm}$; $3\text{cm} \times 4\text{cm}$.

4b. A. 9cm ; B. 6cm ; C. 18cm

Expected

5b. A and B

6b. Any rectilinear shape with an area of 24cm^2 .

7b. Any combination of 3 rectangles with a combined area of 20cm^2 and where at least one conversion takes place. For example: $3\text{cm} \times 20\text{mm}$; $2\text{cm} \times 15\text{mm}$; $22\text{cm} \times 5\text{mm}$.

8b. A. 16cm ; B. 8cm ; C. 64cm

Greater Depth

9b. A and D

10b. Any rectilinear shape with an area of 25cm^2 .

11b. Any composite rectilinear shapes with an area of 24cm^2 , where a conversion has taken place and where one side measures 25mm . For example: $255\text{mm} \times 6\text{cm} + 3\text{cm} \times 30\text{mm} = 24\text{cm}^2$.

12b. A. 5cm ; B. 1.5cm ; C. 24cm