

Answers

Fluency

- 1) a) 7 cm^3 . b) 6 cm^3 .
c) 8 cm^3 . d) 9 cm^3 .
e) 5 cm^3 . f) 4 cm^3 .
2) a) =
b) >
c) <

Problem Solving

- 3) Whitney = 36 cm^3 .
Amir = 56 cm^3 .
More than 36, less than 56.
4) a) Amir's shape is 18 cm^3 .
b) Eva's shape is 24 cm^3 .
c) Alex's shape could be 20 cm^3 .

Reasoning

- 5) 6)

Dora is incorrect
e.g.
Shape A
 $12 \text{ cm} \times 1 \text{ cm} \times 2$
 $\text{cm} = 24 \text{ cm}^3$

Shape B
 $4 \text{ cm} \times 9 \text{ cm} \times 2$
 $\text{cm} = 72 \text{ cm}^3$

Eva is incorrect,
both solids have
an equal volume
of 10 cm^3 .
Children might
want to build this
to see it.