Review 11

1 Find the volume of each cuboid.

(a)

252 cm³

(b)

512 mm³

(c)

25 m³

(d)

256 m³
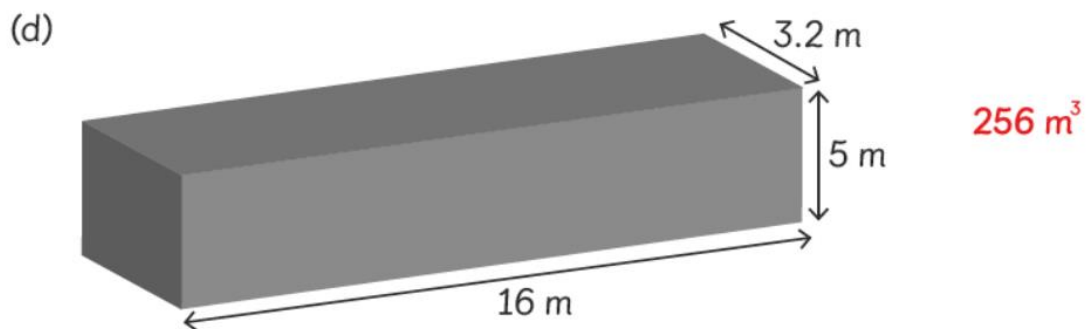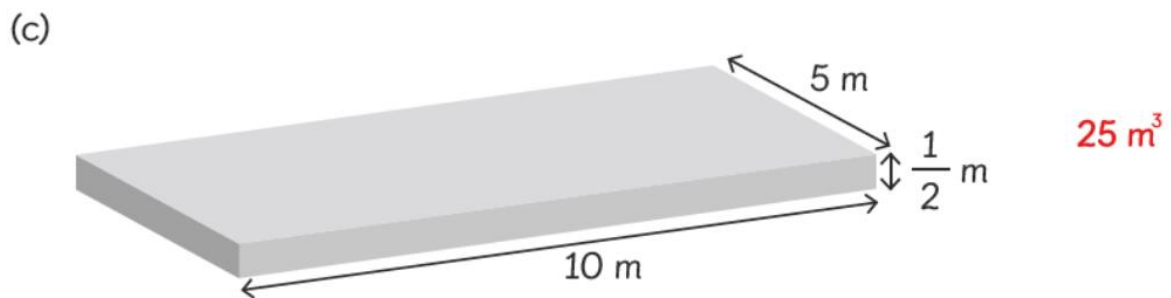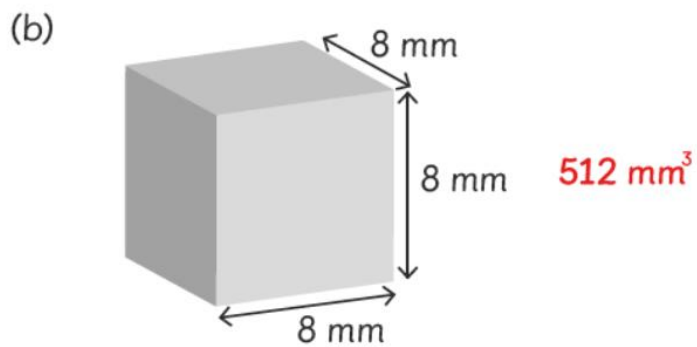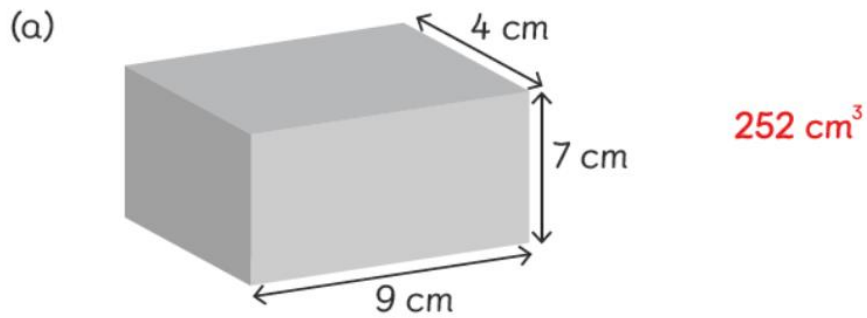
2 At a factory, a 1-metre cube of sponge is cut into smaller cubes with 8-cm sides. What is the greatest number of smaller cubes that can be cut from the large sponge cube?

1 m

1 m

1 m
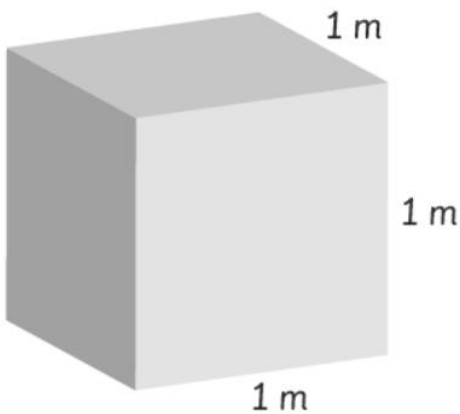
$100 \div 8 = 12.5$
$12 \times 12 \times 12 = 1728$ smaller cubes

3 Find the largest number of 3-cm cubes that can be fitted into the box shown below.

$36 \div 3 = 12$
$20 \div 3 = 6.67$
$50 \div 3 = 16.67$

$12 \times 6 \times 16 = 1152$ cubes

36 cm

20 cm

50 cm