



Exit Ticket V2 - Area and Volume Scale Factors

Name:

Date:

Diagnostic Questions

The area of shape A is 15cm^2 .
What is the area of shape B?

A 32 cm^2
B 120 cm^2
C 30 cm^2
D 60 cm^2

Correct Answer: A B C D

Explanation:

.....
.....
.....
.....
.....
.....

AQA
Realising potential

These two triangles are similar.

How many times bigger is the perimeter of M than the area of N?

A 2 **B** 4 **C** 8 **D** cannot tell

Copyright © AQA and its licensors. All rights reserved.

Correct Answer: A B C D

Explanation:

.....
.....
.....
.....
.....
.....

AQA
Realising potential

Two spheres have radii in the ratio $5 : 3$
What is the ratio of their volumes?

A $5 : 3$ **B** $15 : 9$ **C** $25 : 9$ **D** $125 : 27$

Copyright © AQA and its licensors. All rights reserved.

Correct Answer: A B C D

Explanation:

.....
.....
.....
.....
.....
.....