Volume: Changing Radius & Height · 1

The height of a cylinder triples and its radius stays the same. How many times as large is the new volume?

Volume: Changing Radius & Height · 2

The radius of a cylinder triples and its height stays the same. How many times as large is the new volume?

Volume: Changing Radius & Height · 3

The height of a cylinder doubles and its radius stays the same. How many times as large is the new volume?

Volume: Changing Radius & Height · 4

A cylinder and a cone have the same radius and the same height. The cylinder holds 189 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 5

A cylinder and a cone have the same radius and the same height. The cylinder holds 168 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 6

A cylinder and a cone have the same radius and the same height. The cylinder holds 264 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 7

The radius of a cone triples and its height stays the same. How many times as large is the new volume?

Volume: Changing Radius & Height · 8

The radius of a cone doubles and its height stays the same. How many times as large is the new volume?

Volume: Changing Radius & Height · 2

ANSWER

9

Volume: Changing Radius & Height · 1

ANSWER

3

Volume: Changing Radius & Height · 4

ANSWER

63

Volume: Changing Radius & Height · 3

ANSWER

2

Volume: Changing Radius & Height · 6

ANSWER

88

Volume: Changing Radius & Height · 5

ANSWER

56

Volume: Changing Radius & Height · 8

ANSWER

4

Volume: Changing Radius & Height · 7

ANSWER

9

Volume: Changing Radius & Height · 9

A cylinder and a cone have the same radius and the same height. The cylinder holds 234 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 10

The radius of a cylinder doubles and its height stays the same. How many times as large is the new volume?

Volume: Changing Radius & Height · 11

A cylinder and a cone have the same radius and the same height. The cylinder holds 327 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 12

A cylinder and a cone have the same radius and the same height. The cylinder holds 126 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 13

A cylinder has a volume of 54 cubic inches. Its radius triples. What is the new volume, in cubic inches?

Volume: Changing Radius & Height · 14

A cylinder and a cone have the same radius and the same height. The cylinder holds 225 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 15

A cylinder has a volume of 58 cubic inches. Its radius doubles. What is the new volume, in cubic inches?

Volume: Changing Radius & Height · 16

A cylinder has a volume of 27 cubic inches. Its radius is multiplied by 4. What is the new volume, in cubic inches?

Volume: Changing Radius & Height · 10

ANSWER

4

Volume: Changing Radius & Height · 9

ANSWER

78

Volume: Changing Radius & Height · 12

ANSWER

42

Volume: Changing Radius & Height · 11

ANSWER

109

Volume: Changing Radius & Height · 14

ANSWER

75

Volume: Changing Radius & Height · 13

ANSWER

486

Volume: Changing Radius & Height · 16

ANSWER

432

Volume: Changing Radius & Height · 15

ANSWER

232

Volume: Changing Radius & Height · 17

The height of a cylinder is multiplied by 4 and its radius stays the same. How many times as large is the new volume?

Volume: Changing Radius & Height · 18

A cylinder and a cone have the same radius and the same height. The cylinder holds 132 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 19

A cylinder and a cone have the same radius and the same height. The cylinder holds 114 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 20

A cylinder and a cone have the same radius and the same height. The cylinder holds 129 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 21

A cylinder and a cone have the same radius and the same height. The cylinder holds 138 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 22

A cylinder and a cone have the same radius and the same height. The cylinder holds 150 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 23

A cylinder and a cone have the same radius and the same height. The cylinder holds 87 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 24

A cylinder and a cone have the same radius and the same height. The cylinder holds 219 cubic cm. How much does the cone hold, in cubic cm?

Volume: Changing Radius & Height · 18

ANSWER

44

Volume: Changing Radius & Height · 17

ANSWER

4

Volume: Changing Radius & Height · 20

ANSWER

43

Volume: Changing Radius & Height · 19

ANSWER

38

Volume: Changing Radius & Height · 22

ANSWER

50

Volume: Changing Radius & Height · 21

ANSWER

46

Volume: Changing Radius & Height · 24

ANSWER

73

Volume: Changing Radius & Height · 23

ANSWER

29