

Crossnumber: Volume of Prisms

Work in pairs. Every answer is a whole number, one digit per square. Where an across answer crosses a down answer the digit has to agree. Use that to check your work as you go.

Across

- 1

A triangular prism is 17 cm long. Its triangular face has base 12 cm and height 7 cm. Find its volume in cm^3 .

714
- 3

A triangular prism is 17 cm long. Its triangular face has base 8 cm and height 11 cm. Find its volume in cm^3 .

748
- 5

A prism has a cross-section of area 71 cm^2 and a length of 14 cm. Find its volume in cm^3 .

994
- 7

A prism has a cross-section of area 37 cm^2 and a length of 12 cm. Find its volume in cm^3 .

444
- 9

A prism has a cross-section of area 88 cm^2 and a length of 11 cm. Find its volume in cm^3 .

968
- 11

A cuboid measures 5 cm by 11 cm by 15 cm. Find its volume in cm^3 .

825
- 13

A triangular prism is 15 cm long. Its triangular face has base 13 cm and height 6 cm. Find its volume in cm^3 .

585
- 14

A triangular prism is 19 cm long. Its triangular face has base 11 cm and height 4 cm. Find its volume in cm^3 .

418

Down

- 1

Find the volume, in cm^3 , of a cube with side 9 cm.

729
- 2

A cuboid measures 4 cm by 11 cm by 11 cm. Find its volume in cm^3 .

484
- 3

A prism has a cross-section of area 62 cm^2 and a length of 12 cm. Find its volume in cm^3 .

744
- 4

A triangular prism is 16 cm long. Its triangular face has base 12 cm and height 9 cm. Find its volume in cm^3 .

864
- 6

A cuboid measures 8 cm by 9 cm by 13 cm. Find its volume in cm^3 .

936
- 8

A prism has a cross-section of area 59 cm^2 and a length of 8 cm. Find its volume in cm^3 .

472
- 9

A cuboid measures 7 cm by 9 cm by 15 cm. Find its volume in cm^3 .

945
- 10

A triangular prism is 13 cm long. Its triangular face has base 13 cm and height 10 cm. Find its volume in cm^3 .

845
- 11

A prism has a cross-section of area 74 cm^2 and a length of 11 cm. Find its volume in cm^3 .

814
- 12

A cuboid measures 4 cm by 11 cm by 12 cm. Find its volume in cm^3 .

528

1		2		3		4
7	1	4		7	4	8
2		8		4		6
5	6			7	8	
9	9	4		4	4	4
	3				7	
9		10		11		12
9	6	8		8	2	5
4		4		1		2
13				14		
5	8	5		4	1	8