Name _____

Volume of Cones Answer Key

A **cone** is a 3D shape with a **circular base** that narrows smoothly to a point at the top (the **vertex**). To find how much space it takes up - its **volume** - we use the formula: Volume = $\frac{1}{3}\pi r^2 h$

Where: r = radius of the base, h = height of the cone, π ≈ 3.14

#	**Formula** Volume = $\frac{1}{3}\pi r^2 h$	**Volume**
1	(1/3)×3.14×3²×8	**75.4**
2	(1/3)×3.14×5²×12	**314.0**
3	(1/3)×3.14×6²×10	**376.8**
4	(1/3)×3.14×4²×15	**251.2**
5	(1/3)×3.14×7²×9	**461.6**
6	(1/3)×3.14×8²×20	**1,340.3**
7	(1/3)×3.14×10²×25	**2,616.7**
8	(1/3)×3.14×2.5²×11	**72.1**
9	(1/3)×3.14×9²×14	**1,188.6**

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