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| **Volume Assessment 2017 [1518267]** |
| Student |  |
| Class |  |
| Date |  |

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| **1.** | What is the volume of this triangular right prism?/files/assess_files/ecdb185b-e4fc-4215-973a-6f82014caf17/images/24953.png |
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| **A.** | 165 ft3 |

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| **B.** | 330 ft3 |

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| **C.** | 1,073 ft3 |

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| **D.** | 2,145 ft3 |

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| **2.** | **The net below can be folded to make a solid figure.**/files/assess_files/d94cc894-2106-4fde-a5af-f1931f9e74d1/I50655_17.jpg**What is the volume, in cubic units, of the figure made by folding the net?** |
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| **A.** | 150 |

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| **B.** | 125 |

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| **C.** | 70 |

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| **D.** | 25 |

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| **3.** | The square pyramid below has a height of 18 mm./files/assess_files/a0bd8fc4-f009-47f2-9863-0350996931a1/I382986_1.pngWhat is the volume of the square pyramid? |
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| **A.** | 864 mm3 |

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| **B.** | 1,080 mm3 |

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| **C.** | 2,592 mm3 |

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| **4.** | **The figure below is a triangular prism.**/files/assess_files/5e91a644-f214-4f14-a908-e1f3d6f48813/I48244_52.jpg**What is the volume of the prism if the area of its base is 14 square centimeters?** |
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| **A.** | 32 cubic centimeters |

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| **B.** | 126 cubic centimeters |

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| **C.** | 252 cubic centimeters |

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| **D.** | 324 cubic centimeters |

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| **5.** | **What is the volume, in cubic yards, of a pyramid that has a height of 10 yards and a square base that measures 3 yards on each side?** |
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| **A.** | 15 |

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| **B.** | 30 |

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| --- | --- |
| **C.** | 60 |

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| --- | --- |
| **D.** | 90 |

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| **6.** | data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAOgAAAC1CAIAAADa2yQGAAAYBUlEQVR4nO2df2gi6d3A57alFI47KuXoj39uwbTYYum83JQKtSVQX/QP/0hpegaagtDQS67hCJwc2Vyadw5bssajdmu6cU/2XC4sA3pF9pW9LJiQNAYkF4ku0nVrsBYTXgnaGN4hGBR53j+efWdnxxkdR0dnzPNhOSYz4zi3++HJ9/k+3+d5MIBAqBBs0C+AQEgBiYtQJUhchCpB4iJUCRIXoUqQuAhVgsRFqBIkLkKVIHERqgSJi1AlSFyEKkHiIlQJEhehSpC4CFWCxEWoEiQuQpVgsVhs0O+AQHQMRlHUoN8BgegYbGFhYdDvgEB0DBIXoUown8836HdAIDoGdc4QqgQrl8uDfgcEomNQHhehSpC4CFWCxFU6FEVxOtAPHz602Wxms9nlckl4YCqVMpvNag8RkbiKplwua7Vadsry4cOHGIYtLCxQFKXRaGZmZiQ8cwh65Ehc5TIzM4NhGNSUOWmz2Ww2GzyG7nLaToqiZmZmfD6f2Wy22Wy5XM7lcsFjeCdqcRH9wGw2s8XVarVM5JDL5TAMS6VS7PtdLheGYTabDWrNPobGx2IxDFN9NgmJq3Q44mIY9vDhQ6EfAQAul0ur1UIvOccEQQAkLqI/SBAXCip0jMRF9AMkLi9IXKXDEZf9I6+CSFxEz3jvl78c+8lPpH2WI67L5WIyCTabjfGSfQMSF9Eb/vNHP/qP11/f3t6W8FmOuOVymSAIjUaj1Wo1Gk1zRhaJi+gNBwcH9l/9KvOnP+l0OpqmO/14KpXK5XLNJ4UGEXK5HJMg4z1GAxAIUfz2t7/9rxs3QLHodrtnZ2cH/TpDAhJXXqrV6g9+8IPi6ioIBOr1usFgkBYwIDggceUlFAr95je/OfnLX0AgAADIZDLSAgYEBySuvFit1nfffRcUi6BYhGfcbrfD4RjsWw0BSFwZKRaLb7zxxvn5OQgEYIsLAKjX60ajMR6PD/TVVA8SV0bcbveNGzf29vbY4gIAMpkMjuPVarWjp1WrVYvF0uNXVC1IXBnR6/U3b94slUogmQTJJPuShIDB4XAsLy/39AVVDBJXLuLxuNVqLRQKAAAQi4EXU6edBgwHBwcEQdTr9Z6/p0pB4srF9PT0Rx99FAwGAQCcUAEiPmCo1+sEQSRfbLOvOEhcWahWqyMjI8FgcH9/HwAAQiEQCjXfJjJgIElyfn6+5y+papC4skBR1NzcXCKReJayPToCR0fNt8EhidYBg7Se3NCDxJUFi8Xy+eef37t379nPfKECJJlM6vV6IS/FmH01QeL2nuPjY4Ig0un0/fv3n50SFhcAQJKkUMDg9XpReQMvSNzes7y87PF4Dg8Pnz59+uwUTQPhYV7Y92puVvP5vF6vR+PDvCBxe49ery+VSo8ePXp+qmWLC/4/YOBku0wm08bGhjzvqHqQuD0mHo+PjY1dXFw4nc7nZ9uJCwAgSZIkSdYnAna7XZ53HAaQuD1mamoqHA5ns9kHDx48P9s0ctYMO1lbLBZ1Ol2lUpH1VVUNEreXwPRtvV7PZrMXFxfPL2xsABG/9JPJJBweGx8fD/HlfREMSNxesr6+DvMDJEm+IK6IUAFCkuSbb745Pj4uzwsOD0jcXmIymdLpNE3T7GgVALEtLgCgVCp9+ctf3tzclOX9hggkbs+A6VsAwMXFxQvNLRAcOWvGbrd/8MEHqJ6mLUjcnuF0Or1eLwCAoqjnGVyIuFAhGo3CiltOhgHRDBK3Z8D0LQDg5s2bjUbjhWsixKVpWq/X5/N5gMrBRIDE7Q2xWIzpUWWzWe5l1pwzIWZnZ2GDDUEFuK1B4vYGu90eiUQAAHt7e7u7u9zL7VrceDxuNBo5Jx0OBwoYhEDi9gCapmH6FgBw586d5oVnWotbrVZxHM9kMs3n9Xo9Chh4QeL2gEAgwJR37e7ucgNc0CarQJKk0GQy2BKjgKEZJG4PGB0dTafTAIDT01MYMHARzuMyo2VCD3c4HG63u0dvOjwgcbsln88bDAZ4vLOz89lnn/HcJBAqwDrx1sGAUCBxxUHidgtJkmtra/B4a2vr2bReDgItrtvtFjOZDAUMzSBxu4VdxhWNRvlv4qsOOzo6Ej+ZDAUMHJC4XbG9vT0xMQGPi8Wix+Phv48vVBgdHRU/mQwFDByQuF1ht9uZSQr7+/uCLW6TuBImk6GAgQ0SVzrs9C0AgCd9y7oV0HS9Xi8WiwCA4+NjHMclTCZDAQMDElc6fr+f3bVqNcoVCIBAIJ/Pw3yt1WqVNpkMBQwMSFzpGI1GxqFCoXDnzh3BWwMBEAhsb29/4xvfoCiqm8lkKGCAIHElcnR0xKRvAQA0TXNrcF+8GxwdhUIhDMNee+21t99+++2335Y8ljs3N4cCBiSuRBYXF5n0LQDA4/HAmkZ+QiEQCtntdgzDrl27dv36dTjSJg2apnU63ZG4yvRhBYkrkZGREaZ31Wg0lpaWWt0dCIBA4Ctf+coXv/jFd999t/tf9Nvb26Ojo10+RNUgcaUQjUYnJyeZH2u1Gk8NLptYLPnxxxiGtfG7Ezj1u1cNJK4UJicn2SnbSCTS5ld/Mrn8zjurq6s9fAf2jIkrCBK3Y2D6ln1mZWXl/Py81WcCgSOXq+dvcpUDBiRux6ytrS0uLrLP8FeEsRG9rkKnXNmAAYnbMQaDgd2jz+Vy7UsORMw5k8aVDRiQuJ2RyWQ4k8PC4fCz9fJbIFuLC65qwIDE7Yz5+Xm/388+Ew6H2wS4QF5xwZUMGJC4HVCv19npWwDA5eVl++YWyBgqQK5gwIDE7YCNjQ1OmUE6nf7kk0/af1Jg150ectUCBiRuB0xMTGxvb7PPRCIRUS2uzKEC5EoFDEhcsVQqFZ1OxznZqgaXTdPOknIAA4bj42O5v0gJIHHFsra2xqm4vby8/PDDD0V9uC/iAgAikYjVau3DFw0cJK5YCILg9H7S6fQL6+W3oC+hAsRutwf69V0DBIkrinQ63dz1KZVK7RNhEPk7ZwyVSuUqBAxIXFE4HI7mZuz999+v1WqiPi9zOozDVQgYkLjtaU7fAgBKpdLKyorYR/QxVIAMfcCAxG1PJBJpniV2cXEhNqUABiDu0AcMSNz2jI+Pc9K3AACKoorif/v3N1SADHfAgMRtQ6lUak7fgo4CXDCAFhcyxAEDErcNXq/3hc1NAQAA1Gq19jW4bAYk7hAHDEjcNhAE0fwPf3h4+OTJkw6eImJLVJkY1oABiduKZDJpMpmaz9+9e7eDnhno38gZL3a7fX19fVDfLhNI3FbMzc3x/pPfuXOHZ738FgwoVIBUKhUcx1st+6BCkLiC1Ov169evN69fe3Z21lmcADrYElUmQqHQkO0PjMQVJBwOT01NNZ8XXC+/BaK3RJWPIduRHYkryNjYWIwvMO04wAUDDhUgMK8nU8BQLpcpinK5XBRFSXuCy+VKpVLi70fi8iOUvgUAdDDuwKAAcYFsAUO5XCYIQqvVzszMaDQam80m4SEul6uj5gCJy4/H42lO34K2y4kKQdOg82Wc5UCOgIGiKI1GA7WLxWIYhnHazlgs5vP5UqmUy+Xy+XzwDHMMQS1ub+BN3wIAotHozs5Ox49TRosL5AkYXC4XQRDMjxiGPXz4kHODRqOBTTKGYVqtljleWFgQ+lRrkLg8HBwcWCwW3kvFYrHVOrhCKEZcIEPA0LbFheLCGxYWFtjHjPFI3B4wOzvL28lov5yoEArIKrDpbcAAY1yCIKCgzTEuu0kWOkbidku1Wh0ZGeHdfiyXy929e1fKQwedx+XQ24ABtrg2mw2KaDabOd0sJG4/CIVC09PTvJeKxaLERTeUFCpAehgwaDQadjdLq9W6XlyaEonbD6xWq9Aidn6/X0qACxTX4kLGx8fD4XD3z9FoNIyp5XIZiTsAisWiXq/nvVSr1d5//32Jz1VYjAsplUo4jjP7uUqGoigMw2ZmZlwuF8wYlMtl9g1IXNlxu91wK7Jmzs/Pt7a2JD5XeaECJBQKdbN3FUMul/P5fC6Xi1e+WCzGdHaFjtEARFfgOC5Udr2/v39yciLxuUoVFwBgtVojkcig36JjkLjPaZG+BQCsrKycnZ1JfLRiRs6aOT4+1uv1EgKGarVKkqTD4ZDjrdqCxH3O7OysUHaz0WhIGellUHCLCwAIBAKdBgyxWAzHcbfbPag9LpG4z2iRvgUAFIvFQqEg/enKFhd0EjBUKpXp6WmTyTTY5Xg7EDeVSsViMU6HUSS5XI63RFA5UBQ1OzsrdDUcDh8eHkp/uiKzCmxEBgyhUAjHcSXMHBYlbiqV0mq1sE5Cq9VKUJCiKKacQplYLJaDgwOhqysrK3Q3Qaoi87gcWgcMx8fHVqvVbrcrZAqQKHHNZrPZbIbHNpuNOWZIpVKpVKpcLsdiMZjUgE0sk+BQeIt7fHyM47jQ1Vqtdnp62tUXKD5UgPAGDPV63ev16vV69p6EA0eUuG2Tw2azmSAIWLGm0WiY6jWNRgMLhTiVb0pjeXm5xX7kh4eHn376aVdfMNBZvuJpDhjS6bTRaHQ4HELR/6BoL24qlcIwrFwut4hxzWazRqMpl8twxI99DCMEhYur1+tbzGsIBoPdbHYOwCDXVegUJmCoVqvz8/NGozGpyDdvLy6ssITRLUEQGo2m+Ze+2WxmQljeYyWLG4/HWy+ZcXp62sFqS7yoJFSAWK1Wj8eD47jH4xlUtqstYsVlXLTZbARBcNpdVYs7PT3dojj1/Py8g+VEhVCPuJVK5Re/+MWrr77697//fdDv0gqx4jLdLPjj0IjbOn0LANjf3xe7Xn4LFDxyxmZ9fV2n01EUFQgEWiQHlUDHnTNYNcy5Qb3irq+vt/4XyufzUqb1clB8i5vP5y0Wy9TUFNMzs1qtzYurKgdR4i4sLGi1WoqioLXNGVkx4n73u981Go1Op/NISal4k8nUuvPR1Ugvg4LFrdfrbrebIAiOpvl8Xq/Xd5W9lhNR4pbLZZ/PZzabbTYb72SshYUF5jzvMRyAoGl6fX19bGzMYDAoweDW6VvQ6Xr5LRjEws5iODg4MBgMi4uLvMGS1+tVbMAwmFoFhRjsdDo9Hk+LGzY3Nz/44INgMJjP52ma7myhOzZ93HVHJDRNOxwOo9HYOtM3OjqqzIBhwEU2lUrF7/ebTCaCIPpvcOsJg41G429/+9s///nPx48fFwqFSCRCkuTdu3efPHny3x99lNjcbDQaYtNkCgsVNjY2cBwXs3+qYgMGpVSHlUqlPhsci8XGxsZa3LCyssLbLSsVi//7/e/vejzFYtHpdJIkWSgUtra2EomEYMGuYkbOSqXS5OTk2NiY+GXKlRkwKEVchr4ZPDU11WKq4KNHj+7fv89/ze0GrOpp2O4mEolPP/0U/pckyWAweHp6+vjx42cqK2PkLBAI4DguYUUFBQYMihOXQVaDq9Xq9evXhYaFzs7O8vn85eUlz7VMBhgMoOV4EizKKRaLwWDQ4/GcnJxEfv7z+FtvFQoFGCv35H+hLdVqleklHx0djY6Ozs7OSpsaqcCAQbniMkCDjUYjjuNOp7Mn9cuBQGBubo73UqPRuHnzZjab5blWrwOCkNB2Xt6//z9//vP5+Xk4HL5582YkEtna2qIoKh6P12o1iVPe2/HOO+/AMdvl5WUcx4Xm3IvE6/UK/Y0NBBWIy3B8fOzxeIxGo9Fo9Hg83WwmMzo6KpS+3dnZCQaD/B8jSfDiBupiaUqHnZ+fp9Ppvb29fD7vdDqXlpZKpVIwGNzf3xe7P3BLksnktWvXFhcXDQYDSZI9KTkwmUxd2t9D1CQuQ5cG5/N5oWG8QqFAWyzgjTfA5CRwu0Ek8ly4ZLJtkCCIiKxCrVZ7/PjxZ599ls1mb9++TZIkPE4kEp0O3RWLxa9+9avXrl177bXXerLkBwT+vSmkvlGV4jJIM5gkSd5MUKPRcDqdhUIBVKsgmQSBAJibAxYL0OmAyQR0OpDJSHzRztNhjUaDpulsNhsOh/1+f6FQIEnS7/efnZ097/PxUalUvva1r2EY9sorr3zhC1/4+te/Pjc316uW0uv1DmpaLwd1i8vQkcFC6dt8Pv/o0SP+z5RK4PPPu3k/8Ne/gu1t7p/NTSC6AavVarDLGAwGb926tbu7S1HUJ598kkgkzs/PYc+Jpukf/vCH3/rWt373u9/JlJBRSMAwJOIywJARx3FegwOBwObmJu9ib7lcTsapKX/8IxgdBXY798+PfwwEFs4Rw8XFRTabheHEysrK0tJSIpHwer07OzsXFxf8WZGuUUjAMGziMhwdHTUbvLa29s1vfrM5kVmr1UiS7EEVmBBCoUKvR9RqtdqTJ0+i0Sissnjvvfd2d3cTicTu7m5X0+tfxO12DzxgGFpxGdgGO53Ol1566dvf/jYnp3Z2dtbV7PO2CA1AyD8UfHl5mc1mo9FoNBrd3d1dWlryeDw0Te/v7xcKBWmtcr1eNxqNgw0Yhl9chqOjo5/+9KfXrl3DMOzll1/+/e9/D88/ffrU7/fL+91CQ76DqGE4OzujaToSifj9/mw2++GHH96+fRvmLsT/zslkMjiODzBguCri1ut1kiRfeumlV1555dVXX/3Sl76EYZjBYEgmkzCHKu/X9ytUkECj0Tg5OSmVSvv7+6urq7dv306n07dv337w4MHl5WWLdf4GGzBcFXFpmt7Z2eGkb0ulUjwe73bNBDEIlTUqQNxmLi4u8vl8PB4/Pz/3eDw3btxIJBIPHjx49OgReyR8sAHDVREXALC4uMhJ3yYSiVu3bvXju4UKyRUpLi8nJyd7e3uHh4fRaHRpaWl1dfX09PTjjz9uPWNPPq6QuCMjI5wSkz/84Q/SVw7tCAWHCuKp1+vpdDoUCpEk+bOf/ex73/ueVqv9zne+869//av/L3NVxI1GoxMTE+wzOzs7MmU6eRBqcZVR7shLtVpNJpMURc3Pz4+NjeE4juP4+Pg4SZKhUCidTg82lXtVxJ2cnNxgLTuXSCRWV1cH+D5Kg6bpg4ODQCDgcDisVivUdGJiYnl5ORwOZySPdcvGlRCXpumRkRF2hVQ4HFZUdWmfqVQq8Xh8bW1tbm7OYrHodDqCIOx2u9vtjkQig134ViRXQly/3z8/P8/8eO/evZ6UDqqFYrG4vb0NZ+CMjo7qdDqj0Tg9Pe3xeDY2NmQcL5STKyGu0Whkftnt7e3du3dvsO8jK/l8fmNjw+PxTE9PGwwGnU5nMplmZ2e9Xu/29rZCVrftnuEXN5PJGAwGeHx5efn48eP+9cnkJ5PJRCIRt9ttt9sJgtDr9VardW5ubm1tLR6Pd7+HmWIZfnHn5+fX1tbg8a1bt3pYa9JnmGzU8vLyxMQE7D+NjY3Nz88HAoGDg4MrFbUPubj1ep1J38bjccGJu8qDyUaRJDk+Ps5koxYXFymKSiaTAy8sHCxDLu7GxgZM356dnZ2cnCg2SGCyUeykKcxGwaSpYtepHRRDLu7ExMTGxkaj0VhZWelox01ZYWejrFarXq9nZ6MUmDRVIMMsbqVSGRkZAQA8efJEcOKu/JRKJSYbBZOmBoOByUapImmqQIZZ3LW1tcXFxUKhIG+R+IsUi0UmG2U0GnU6HVyJA2ajVJo0VSDDLK7BYPjHP/7xbOKuPOTzeXY2SqfTWSwWJhs1NElTBTK04mYyGaPReHp6urW11cNnhsNhdjbKarU6HI4rmI0aOEMrrsPhWF5elrw/GbuED2aj9Ho9TJqibJQSGE5x6/X666+/vrCwIDKmpGm6dQkfykYpjeEUNxKJvPnmm0+fPuW9CrNRTAkfzEZNTk4qtoQP0cxwimuxWN566y14XCqVYrEYu4TPYDBMTU0NpISPIAj25rKpVApuJavRaHg312iLYrczkpshFPff//73yy+//Otf/xqW8MFs1MBL+HK5nM/n4+yKDPc9Zi4peZ9upTGE4tI0vbi4qLQSPrgDPVtczs6HBEE078OFYZjNZtNqtRiGzczMuFwujUYDj+ENqMVF9AO2uD6fj7257MLCgtlsbr6fIIhUKkVRFOcYNs9IXEQ/YIvLcY5XQQzDmNiXcwyfg8RF9AMJ4jL38x4jcRH9gBMqaLVa5pJQqIDE5QWJ21ckdM6QuLwgcfsKJx2m1WptNhvcKhnDsFQq1eJ+JC4bJG5f4YjLDEBotVqfz9f6fiQuGyQuQpUgcRGqBImLUCVIXIQqQeIiVAkSF6FKkLgIVYLERagSJC5Clfwf7dQrC7WXkh4AAAAASUVORK5CYII=**Find the volume of the triangular pyramid in cubic miles.** |
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| **A.** | 240 |

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| **B.** | 80  |

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| **C.** | 400 |

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| **D.** | 480 |

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| **7.** | data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAPwAAACwCAIAAACkU5QnAAAYfElEQVR4nO2dbWgq6dmAp7v9WpZ2K2VpYSmcYmhdKq0ts2wKbitLQH/kRyiBCE1BqAcUUsi75N1mTTYV3FTdBGSbNMlZOXg4IQzdpNjU5gPsaZYzAQkJMUHQgxIGTEBEMb5MRVHkeX88J3M8fozjOOroPBf7Y9RxMpy9fOZ+vu4bAwiExMB6fQMIRLdB0iMkB5IeITmQ9AjJgaRHSA4kPUJyIOkRkgNJj5AcSHqE5EDSIyQHkh4hOZD0CMmBpEdIDiQ9QnIg6RGSA0mPkBxIeoTkQNIjJAeSHiE5kPQIyYGkR0gOJD1CciDpEZIDSY+QHEj6QSOdTpMkyeOLV1dX/L7YdyDpB42JiQkcx3l8kSAIi8Ui+P2IECR9D1iyWP7n97/vxJX39vYwDKsr/cXFxcXFBXwOXF1dgbumHR4D1NIjOkc+nx/+yU+UP/hBIBAQ9srpdFoul8tksrrSa7VaHMcxDIPnmM1m5vji4gIA4HQ6+T0i+g4kfbex2+3/azBE/vxnpVJ5e3sr4JUtFotcLm/krlarlclk6XSa+W0wxzCqQdIjOkIikXjnnXc++dOfQCLh8XjGxsaEuvLFxQWGYXt7eyzSMyF73WMkPaIjmEymra2tw08+AR4PAMBgMKysrAhyZRzHzWYzaOwukp4BSd89IpHIyMjI5eXlzV//CqWnaVqpVAaDwTavTBAEbOZJkjSbzTiOV/ZQIUh6BiR999DpdMFgcG1tLX58DGIx+GYwGFQqlTRNt3NlgiC0d8jlcgzDtFot7J4yIOkZkPRdwu/3GwwGAIDD4Sjv74ODA+ajlZUV+JEgoPCmKUj6blAqlYaHh6+vr3O53M3NDfB4YHjDMDY25nn5Hd40mmOyWCwEQbAco8kphJC43W6r1QoAOD8//+KLL8DBQWVLDwC4vb1VKpWRSKRHNygtkPQdh6ZplUoFo3av13t2dgaCQVDTeQ0EAjiO5/P5XtyjtEDSd5z5+Xm32w2Pk8lksVisDW8gdrvdZDJ19eYkCZK+s1xfXw8PD5dKJfhyYWEBANBIegCATqfzer38/hZN0xRF8fuupEDSdxaDweD3++Hxzc3N6uoqAADQNGgwRplKpRQKBQ93S6XS6Ogo0z1FsICk7yCnp6c6nY55mcvlntvcuKUHAPj9/sqHA0eMRiPsKyOagqTvICMjI6FQiHnp9XoTiQQATaQHAMzPz8/OznL/Q1ar1Wg08rxL6YGk7xRer7eqV7q4uFgoFAAAIBZjZmTrUiqV1Gr1wcvDmo1wu92jo6OtPhmkDJK+I5RKJRzHn7frdxweHj4/2t4G29vsV7i+vlYoFFVXqMXn86nV6jZXMUgNJH1HcLlcNput8p2bm5uzs7PnL5qFNxCfzzcyMsLShMOh/aY/DEQVSHrhub29ValUVdNM+/v7T58+ff6CJAG3jXnT09NVPx6GSCSiUqnQJC4PkPTCMz09vbm5WfUmQRAvmuR6M7J1gYt2areuJhIJHMcF33AoEZD0AhOLxYaHh2vfD4fDL15wC28gFEUpFIpUKsW8Q9O0Wq32+Xxt3aiEQdILzPj4eG3DnM1mHQ7Hi9etSA8AIAhidHQUHsNJKGZdA4IHSHohOTo6Gh8fr33//Px8Z2fnxetEArTY+zSZTC6XC6BJKCFA0gvJ8PBwrN4APE3Tz0foIS229OBuqeb9+/fRJFT7IOkFY3Nzc2Zmpu5HDofjpaH01qUHAHzyySff/va3hc0aIk2Q9MKQz+dZ8thUBySthzcHBwdqtXp1dVWv1/O+SQQESS8MNpsNxty1FIvFZ8+evfQWhxnZSk5PT5lJKL1ev76+3sadIpD0QpBIJFQqVaOp0+Pj4+Pj45feaiW8icVilZNQMLivXMeGaBUkvQAYjUaWnR+PHj2KRqMvvcV5RhZOQp2enla+GQwGmf2HCB4g6dslFAqNjIywnPDkyZOXhm4AV+lpmtZoNHXXWrpcLrSxkDdI+nYZGRmpaokryeVyu7u71e9yCG9KpRJ7XpCxsTG0T4ofSPq2ODg4YM/TFA6Ht7a2qt/l0JE1mUyNlppB4MbCutMCCHaQ9PyBi+avr69Zzjk7O6uzLKzZkKXNZuMSvZAkyWNjIQJJz5/19fX5+Xn2c87OzqoDetAkvIEpvDmqbLfbp6enuZyJYEDS8wQumm86hDI3N1fn3cbSHxwcaDQa7iMzpVJpZGQErbhsCSQ9TypTODWienElQ4PwpnISijuJREKpVLJHWYhKkPR8oCgKx/GmEQhN0/Xb7HotPUVRKpWKX8fU7/er1WoU3HMESc+HyclJLqkKCII4Pz+v80GF9HCqNZVK1U5CtcTs7GzTDgYCgqRvmUAgUJnCiYXFxcVcLlfng7vtghRFTU1NsUxCcadUKmk0GiabGoIFJH3LaDQajktfqteZMdzNyH788cdvv/32+Pi4IMnpYdaQyo2FiLog6Vtje3ub4zaOeDz+8OHD+p/dhTc//OEPv/GNb0xOTpIkKUjuVa/Xy/EpJGWQ9C2Qz+e5j658+eWXDYON7W2wvX10dPTaa6+98sorGIb96Ec/WllZEWSDyPT0tN1ub/86AwySvgWWlpbYlwZUcnl52TDSiMVALDY0NPTVr371Zz/7mbCZPOAvE2UHYQFJzxVYIYd7pZA6S24YPJ6jP/7x9ddf//zzz4W5uZeJxWKClyMfJJD0XJmamqpN4dQImqbrT0tBPJ6VycmOpuMjCELAcuQDBpKeE41SODUikUiwjR42LsogIAaDAW0srAuSnhOjo6NHR0fczw+FQtlstuHHvLIhtApN0ziOt1+OfPBA0jenUQonFj777LNkMtnw465IDwAIhULtlyMfPJD0zcFxvNUlMc8LqjWCcwLX9llfXxewHPlggKRvgsfjaXXBei6XazItWlM8uaPo9XqhypEPBkh6NvL5vEKhaHXsLxAINFng3q3wBgIHW9HGQgYkPRtWq7VRCicWCIK4vLxkO6O7LT24W6mPypFDkPQNYU/hxEIqlSoWi2xnNCu01glcLtfU1FSX/6g4QdI3xGAwbLeSfA9SLpcXFxebnNTd8IahnXLkgwSSvj7BYJA9hVMj4vH42tpak5N6JH0qlVIqlYIs5+xrkPT10Wg0/PYxJZPJhsvoGVrPWiwUJEmijYVI+jr4fL7JyUl+393d3c1kMk1O6lFLD7FarS2VIx88kPTVlEollUrFO7nA3NxcuVxuclJPpYdZQ9rcndjXIOmrWVlZ4b3Dulgscsov2YvRm0qur6+VSqVkqy4j6V8CzuPwXomeSCSaB/SgB+P09W7hgL0c+QCDpH+J2dnZdpbj7u7unpycND+vp+ENw+zsLPeNYIMEkv4FsViMSwonFtbW1pr3YoEoWnrQuBz5wIOkf4Fer2+ze3d1dcXpvC6usmSHoiilUim1rCFI+ucEAgF+s1EMyWSy+bQURBzhDcTr9UptYyGS/jlqtbrN6mXHx8eHh4ecThWT9KCiHLlEQNIDAABBEO1X4s5kMmxbBCvpyh5Z7sCsIe1k0uwvkPTP6x63P2httVrr1F+oi8haegBAJBKRTsVCJD2w2+3tj9wVi8XqsuAsiE96AIDH45FIOXKpSw8XHra/uyKXyzXZOFJJr2dkG2EwGJpWmhgApC69yWQSZP/o06dPw+Ew17M5VBfsCRIpRy5p6SORSEspnFhYW1uLx+NczxZleAMJBoM4jg92cC9p6VtN4cQCQRDNF1cycKsY3ivW19cHuxy5dKX3+/1CTcrQNP306dMWviCaGdlGDHY5colKD+seC5UV4/LysjVFRBzeQOBq00HdWChR6d1ut4A1h588edLC0A3oA+kBAKenp4NajlyK0tM0zSOFEwuc1tBX0rs9si0xqOXIpSi91WpdWloS8IJNMlfW0g8tPUSn0w1eOXLJSQ93ygn41E4mkw8ePGjtO/0jPZy8G7By5JKTnl8KJxZyuVzLo9p9Et5A/H6/RqMZpOC+ufQWi0Umk2EYptVqLy4uePwNrVZrsVh4fFFwgsGgWq0W9pqPHz9uOaYX64xsI6xWawsri0RPE+kJgpDJZHt7e+l0GsdxrVbbndvqELxTOLHQwuJKhv4JbyADVo68ifQTExMTExPweG9vD8OwdDpdeQJJkhiGmc1m+DTY2Ngwm80YhmEYxgxdi6Sl93q9vFM4sdDaYCVE3DOydYF9ocHYWNhEeovFsrGxAY+h342kv7q6grpXHsNzxCB9qVTqxGwLRVF8Bjf6UHoAwMHBwWCUI+fakU2n0xMTE7XhDZQeboiuPYa/EDFI73K5OpHL7vDw8Msvv2z5a/0W3jB0uhx5Op2G4TSP73LXjJP0TqcTRiy1F62Uu9Fxz6W/vb0VdjaKIRAI8Hni91tHlgFmDencxsKJiQkMw/hJz50WhixJkqz9FfaF9DMzMx2qqMpz4qavhiyrgFlDOtGCQMHqSi9s17F5R7byDmqvK37pYc34TgwzZzKZ5eVlPt/s2/AG0oly5Ol0Wi6XWywWdukF6To2kd5sNsvlchimb2xs1N4QR+l/85vfeL3entQ8Gh8f71CG3v/85z9N6sU2os+lBwCYTCZhH55Op1Mul6fTaRbpheo6NpEe9l/hMwXH8doFtBylv3///vT0tEKhmJyc7Kb9JEm2mcKpEYlEwul0/utf/3I4HCcnJ4FAoIWdU/0c3kBg1hChypFfXFwwrrNIL1RA0e1lCCRJdtP+4eFhwevE0zTtcrmqFA8EAp999tnu7m4oFGqeTaT/W3oAQCgUEmpjoVarZaaDBlB6hi7Yv7m52X4Kp1pWV1dZtk5HDg5u3n57Z2Pj6uoqGo3WP2kgpAcAeDweQcqRYzXgOF55woBIz9Ah+4VK4VSJ3+9vskPK7wcqFTg9BQBEo1G32+1wOBKJRDgcfmkHrei3C3JHr9dvbm4KeMFBbulrEdZ+m80m7Bqpqz/8Yf+DDwr//S/LnwQ6XW2wHo/H3W73wsJCJpM5Pz8vFot9OiNbF5g1hMfGy0AgYDAYaou+SEt6hvbtTyQSgqRwYq7mcDiK+/tgchIoFMBoBH4/qBwDpWkwNgZmZgDrwGgmkyEIYm5u7v/+8pe4zdakwHL/ALOGcPzXpml6fX1dpVLp9XqhUlG0ihilZ+Btv9FoFCSFEwAgl8tZrdYX3dZSCfj9wGgEKtVz+y8uAI63NMNa2No6+fBDq9UajUbD4XDLizTFB5dy5MFg0GQyKZVKu93e23JXopaeoSX74ahC+3+0XC4TBHF+ft4woQ1Jgulp8O67oNWUYBVp/fb3961WayAQiEajfZ1iaWxsrG458nw+7/F41Gr16Oioz+cTw2aU/pCegYv9Op1OkOfm48ePO7U9tGb0plgsPnnyxGq17uzsUBTFqYaPyKjNGhKJRGZmZhQKxezsrKiyifSZ9AyN7D84OGh/hjwcDj98+LCDMXfjIctisXhycuJwOB49epRKpfrLfpIkNRpNPp/f3t7WaDQajYYgCDE07VX0q/QMlfb//e9//+lPf9pmCqdnz545HI7O2sahKEOxWIxGoy6X69NPP81ms3wWO3QdiqJ+/etff/e7352amopEIr2+nYb0vfQMcMWBTCarG/kEg8GmP4ZcLvfgwYNkMtlCVkp+tDI5VSwWKYpaXl6em5vL5XINJ7x6R6lU8vl8o6Ojw8PDbrf7/fffF3k58sGRnlk0XzfyyefzcrmcZSF4uVxeXFzkVAW2fXjNyOZyuWw2u7q6Ojc3R1GUGKLkRCJht9sVCoXRaGT+bROJhEqlEnM58sGRfn5+viqFU5X9Y2NjX//61+vWQoM10ro3cN7ejGyxWCwUCnDCCy716fijqYajo6Px8XGlUrmyslK7tt7v94u5HPmASA93NjQayoT2v/nmm6+++uq3vvWt3/72t5WDgz6fb3V1NZfLdetmBSueXC6Xi8Xizs6O1Wo9Pj5OJpOd/t3e3t4uLS0plcqmU0uzs7Md3VjYDgMi/eTkJEsKp1KpdP/+fQzD3njjjddee+0rX/nKvXv34E6/tbW1HoyOd2DBWaFQ2N/f/+ijj3Z3d1OpVJsTXrX/JnDVgEKh4Di1BLOGiLMc+SBIf3p6yp7CyePxuFyug4MDGApHIpGjo6N//vOf8/PzvekXCtTS1yWTyRwfH8/NzT169IimaR4/6UgkwixbgqsGcBznMbUk2qwhgyC9Wq0OBALczy+Xy7u7u9FotKshTSX//jd46y1w7171f9/7Hnj4UKg/kslknj17ZrPZlpeXuecejEQi3/nOd7a3t0OhkMlkGhoaamdqSZzlyPte+u3t7VYLQa6uru7s7HS/8/eCRuFNZ9bZZzKZeDwO7c9msyxTEKFQ6M033/za1772zjvvCDW1ND09LbZy5P0tfaspnCiK2tnZ4VrXu3N0V3qGZDKZzWYdDofNZqtd7PCPf/zjm9/8JoZhr7zyyrvvvivUjjNY9EXw/Wvt0N/SLy0tcU/hdHl5abPZRDG12WiPbLd2VGUyGbjpEQ56FgoFu93+6quvvvHGG7/4xS90Op1Op/vd735XdwEZD2KxmKjKkfex9Le3t0NDQ1wSsBQKBYIgujCix5UetfS10DSdzWYfPnz4wQcfnJ2ddW6RM0EQ4ilH3sfST01NcclCkcvlFhcXj4+Pu3BLXBGN9AyFQiGVSsF1zj6fr1AoCN7nMRqNIilH3q/Sc0zhdHJycn5+Lrq1ihXr6V9CBBvGi8Xizc1NIBD48MMPt7a2isWiUPbTND08PCyGcuT9Kv3Y2FjTxe47Ozsul0s8oeQLGo3Ti0B6hmKxCBM6wCH/XC7Xvv1wf09Pcn5V0pfSHx0dsadwymQyOzs7ouiz1qVRSy/WDePRaDSZTFqtVrfbnclk2ukaiaEceV9Kzz4ERlHU3NxcOBzu5i1JhHg8TtP0wsLC6uoqRVH87Nfr9b0tR95/0rMnGDo8PLy5uRFdED9wxOPxVCrlcDiWl5fD4XBL9tM03dty5H0mfT6fVygUdRc8lctll8u1tbXVy6lW6ZFIJG5ubh4/fuxwOLgvBultOfI+k75RmTuKoo6Pj1tIoYoQmkwmA4sRffrpp1yqs7hcrl6VI+8n6ROJxNDQUG3f/+zsbGFh4ebmpid3haiCpulnz56dnZ3ZbDb2EbbR0dGebCzsJ+lrUziVy+XDw8NEIjEA+ZIGD5qmT05Orq6uFhYWvvjii9qx41QqpVKpul+OvG+kh7njKt/JZrOLi4tPnjzp1S0hOFIoFAKBQDKZnJubIwiicpgBZg3pcnDfN9KPjIxU7k+7vLykKAqFNP1FsVg8Pz+HKz0fP34M//d1vxx5f0gPM0wwL71e7/LyshinWhHcKJfL0Wg0Ho+7XK7PP//8vffe62Y58j6QHi6ah1lrstksTPuIxiV7DnVHMBg8usNzx8rKivUOo9FoMBgMBsP4+LjmjqGhoXv37t27d++tt976/ve///Of/7xrd94H0q+vr8OMuPF4HK7/7vUd9Rn5fJ4RNBAIQDv9fj8j6NLSErRzfn7ecMfo6Ci0U61W37tDqVTCA4VCweir1+vhV4xGIyP6ysoKc33mJxEMBpk76WGCELFLDxfNp1IpOAwvwl3GwnJ7e8toQZIkdMXn8zECwWITVqt1ZmaGEVSn00H/hoeHGTsVCgU8VqvV8FOdTsd8ZXZ2Fl7HZrMxF/f5fIygzG0M3r+52KWfnZ11Op0PHjx49OiR2EKaVCoFtYjFYowr29vbUCC32800e9PT04xtTAOpUqkYKRlTa5tPk8lU23xubm7WbT57/U/SH4haeoqifvzjH4fD4cvLyzYvdX19DbUIhUKMLpubm9Ch9fV1RiyTyQRt0+v1jIKw1VQqlYygbTafnai4jeCIqKX/5S9/+atf/epvf/tbZQ/J5XIxgjK2jY2NVfWQNBoNjuNVzefk5GRt87m+vl7bfIZCIdR8Diqilv7999+fnJxkmk+73V7bfJIkiZpPREuIWnoEohMg6RGSA0nfA0iSdFZQWzaVyxU2NjY6cW9SAEnfA5xOp0wmY6TnkdqXJMne7rjra5D0PWBiYoK96CdBEHt7e3t7e8xzgCCIymcCaunbAUnfA5oWdNdqtTKZDMfxiYkJDMPkcjlzDL13Op2C1MqVJkj6HiCXyycmJjY2NhrFNlqtlnEax/HKY/hrQdK3A5K+B2AYJpPJzGaz2WzGMKw2UKl8FNQ9RtK3A5K+B5AkeXV1BY+dTqdcLk+n05UnIOk7CpK+x5AkiWEYkr6bIOm7zd7eHtMfBXctfdU5SPqOgqTvAWazWSaTWSwWeFA7OYWk7yhI+t5wcXHhdDo3NjaY4L4SgiCYUZ26x2hyqh2Q9AjJgaRHSA4kPUJyIOkRkgNJj5Ac/w/89VcaDWfk4QAAAABJRU5ErkJggg==**Find the volume of the triangular pyramid in cubic miles.** |
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|  |  |
| --- | --- |
| **A.** | 80 |

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|   |

|  |  |
| --- | --- |
| **B.** | 48 |

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|   |

|  |  |
| --- | --- |
| **C.** | 24 |

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|   |

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| --- | --- |
| **D.** | 8 |

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|   |   |

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| --- | --- |
| **8.** | A rectangular prism has a length of 8 cm, a height of 2 cm and a volume of 96 cubic centimeters.  What is the width of the rectangular prism? |
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| --- | --- |
| **A.** |  6 cm |

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|   |

|  |  |
| --- | --- |
| **B.** |  3 cm |

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| --- | --- |
| **C.** |  12 cm |

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| --- | --- |
| **D.** |  4 cm |

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| **9.** |  The base of a triangular prism has an area of 20 cm2.  The volume of the prism is 220 cubic centimeters.  What is the height of the triangular prism? |
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|   |

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| --- | --- |
| **A.** | 22 cm |

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|   |

|  |  |
| --- | --- |
| **B.** | 6 cm |

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| --- | --- |
| **C.** | 5.5 cm |

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| --- | --- |
| **D.** | 11 cm |

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| **10.** | A storage unit, in the shape of a right rectangular prism, has dimensions of /files/assess_files/5c6dae1f-6ecd-4549-9f3b-f4ee440684d2/I381062_1.png feet by 16 feet by 24 feet. What is the volume of the storage unit? |
|  |
|   |

|  |  |
| --- | --- |
| **A.** | 164 feet3 |

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|   |

|  |  |
| --- | --- |
| **B.** | 393 feet3 |

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|   |

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| --- | --- |
| **C.** | 3,072 feet3 |

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|   |

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| --- | --- |
| **D.** | 3,360 feet3 |

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