Objętość ostrosłupa – odpowiedzi

GRUPA A

1. $9\sqrt{3}\,\text{cm}^3$

2. $80\sqrt{3}$

3. C

4. C

5. $35\,\text{cm}^3$

6. $972\,\text{cm}^3$

7. $8\,\text{cm}^3$

8. AC

9. $4\,\text{cm}$

10. $40\,\text{cm}^3$

11. C

12. C

13. B

14. $V = 300,\ P = 232{,}5 + 7{,}5\sqrt{353}$

15. $4{,}5\,\text{cm}$

*16. $3\,\text{cm}^3$

GRUPA B

1. $\frac{8}{3}\sqrt{3}\,\text{cm}^3$

2. $64\sqrt{3}$

3. A

4. D

5. $30\,\text{cm}^3$

6. $288\,\text{cm}^3$

7. $1000\,\text{cm}^3$

8. AD

9. $4\,\text{cm}$

10. $120\,\text{cm}^3$

11. B

12. D

13. D

14. $V = 160,\ P = 152 + 4\sqrt{514}$

15. $1{,}5\,\text{cm}$

*16. $24\,\text{cm}^3$

GRUPA C

1. $4\sqrt{3}\,\text{cm}^3$

2. $75\sqrt{3}$

3. C

4. B

5. $35\,\text{cm}^3$

6. $18\,\text{cm}^3$

7. $27\,000\,\text{cm}^3$

8. AC

9. $5\,\text{cm}$

10. $80\,\text{cm}^3$

11. A

12. A

13. C

14. $V = 64,\ P = 80 + 8\sqrt{34}$

15. $81\,\text{cm}$

*16. $18\,\text{cm}^3$

GRUPA D

1. $15\sqrt{3}\,\text{cm}^3$

2. $45\sqrt{3}$

3. D

4. A

5. $30\,\text{cm}^3$

6. $42\frac{2}{3}\,\text{cm}^3$

7. $27\,\text{cm}^3$

8. BD

9. $7\,\text{cm}$

10. $72\,\text{m}^3$

11. D

12. B

13. D

14. $V = 8,\ P = 20 + 2\sqrt{34}$

15. $8\,\text{cm}$

*16. $12\,\text{cm}^3$

GRUPA E

1. $18\sqrt{3}\,\text{cm}^3$

2. $20\sqrt{3}$

3. C

4. B

5. $36\,\text{cm}^3$

6. $10\frac{2}{3}\,\text{cm}^3$

7. $1\,\text{cm}^3$

8. BC

9. $8\,\text{cm}$

10. $90\,\text{cm}^3$

11. B

12. B

13. A

14. $V = 48, P = 66 + 6\sqrt{41}$

15. $9{,}72\,\text{cm}$

*16. $60{,}75\,\text{cm}^3$

GRUPA F

1. $16\sqrt{3}\,\text{cm}^3$

2. $180\sqrt{3}$

3. C

4. A

5. $24\,\text{cm}^3$

6. $36\,\text{cm}^3$

7. $64\,\text{cm}^3$

8. AC

9. $8\,\text{cm}$

10. $80\,\text{cm}^3$

11. A

12. D

13. C

14. $V = 216, P = 180 + 18\sqrt{34}$

15. $3{,}75\,\text{cm}$

*16. $5\frac{1}{3}\,\text{cm}^3$

GRUPA G

1. $3\sqrt{3}\,\text{cm}^3$

2. $100\sqrt{3}$

3. B

4. D

5. $42\,\text{cm}^3$

6. $144\,\text{cm}^3$

7. $8000\,\text{cm}^3$

8. BC

9. $6\,\text{cm}$

10. $120\,\text{cm}^3$

11. A

12. B

13. A

14. $V = 162,\ P = 148{,}5 + 13{,}5\sqrt{41}$

15. $2{,}25\,\text{cm}$

*16. $81\,\text{cm}^3$

GRUPA H

1. $12\sqrt{3}\,\text{cm}^3$

2. $36\sqrt{3}$

3. D

4. B

5. $28\,\text{cm}^3$

6. $486\,\text{cm}^3$

7. $125\,\text{cm}^3$

8. BD

9. $6\,\text{cm}$

10. $16\,\text{dm}^3$

11. C

12. C

13. C

14. $V = 120,\ P = 132 + 6\sqrt{194}$

15. $6\,\text{cm}$

*16. $42\frac{2}{3}\,\text{cm}^3$

GRUPA I

1. $8\sqrt{3}\,\text{cm}^3$

2. $27\sqrt{3}$

3. B

4. C

5. $25\,\text{cm}^3$

6. $85\frac{1}{3}\,\text{cm}^3$

7. $216\,\text{cm}^3$

8. BC

9. $5\,\text{cm}$

10. $60\,\text{cm}^3$

11. D

12. C

13. D

14. $V = 6,\ P = 16{,}5 + 1{,}5\sqrt{41}$

15. $3\,\text{cm}$

*16. $2{,}25\,\text{cm}^3$

GRUPA J

1. $\frac{20}{3}\sqrt{3}\,\text{cm}^3$

2. $144\sqrt{3}$

3. A

4. A

5. $20\,\text{cm}^3$

6. $5\frac{1}{3}\,\text{cm}^3$

7. $64\,000\,\text{cm}^3$

8. AD

9. $5\,\text{cm}$

10. $40\,\text{dm}^3$

11. C

12. B

13. C

14. $V = 50,\ P = 72{,}5 + 2{,}5\sqrt{313}$

15. $20{,}25\,\text{cm}$

*16. $40{,}5\,\text{cm}^3$