

Soluções

1.

1.1. 4 e 6

1.2. 2, 3 e 5

1.3. 1

1.4. 2

1.5. 4

1.6. 4 e 6

2. $\frac{43}{74}$

3. Opção (C)

4.

4.1. 2^{12}

4.2. 10^2

4.3. 3^2

5.

5.1. Opção (C)

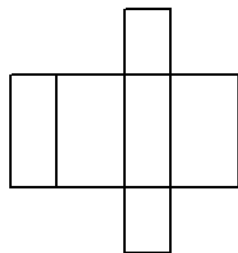
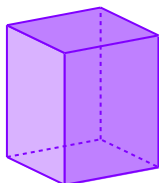
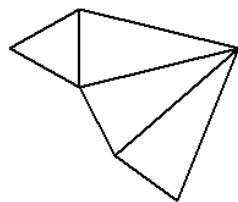
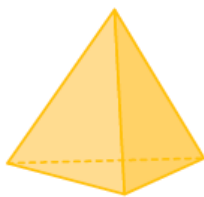
5.2. O triângulo $[PBO]$ é retângulo em P e como, num triângulo, ao maior ângulo opõe-se o maior lado, $\overline{OB} > \overline{OP}$.

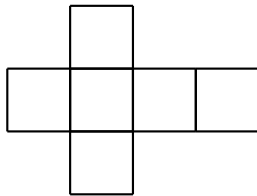
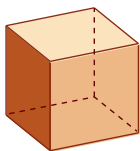
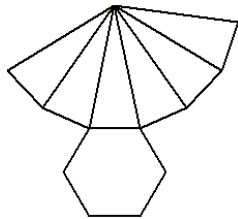
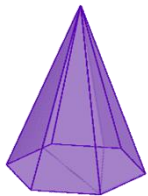
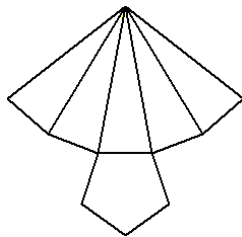
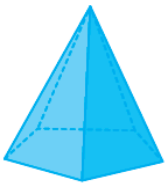
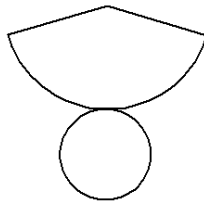
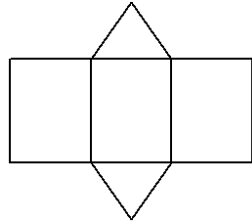
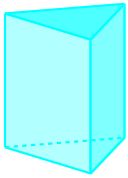
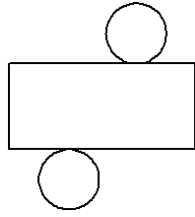
6.

6.1. 24 cm

6.2. $r \approx 3,8$ cm

7.





8. 20,4204 m

9. 12 arestas

10.

10.1. Cilindro

10.2. Não. Porque o eixo não é perpendicular aos raios de qualquer uma das bases.

10.3. 1021,3 m².

11. Falsa, pois num prisma o número de arestas é igual ao triplo do número de lados do polígono da base.

12. Pirâmide pentagonal

13. Opção (B)

14. 17 174,88 cm³.