

1. $-|-8| < -|5| < -2 < 0 < |-4| < 6 < |-7|$

2.

2.1 $\frac{2}{5} + (-1) - \left(-\frac{3}{2}\right) = \frac{4}{10} - \frac{10}{10} + \frac{15}{10} = \frac{9}{10}$

2.2 $-0,8 + \frac{5}{2} - \left(-\frac{3}{4}\right) + (-0,4) = -\frac{16}{20} + \frac{50}{20} + \frac{15}{20} - \frac{8}{20} = \frac{41}{20}$

3.

3.1 0; 7

3.2 0; $-\frac{8}{2}$; -5; 7

3.3 $\frac{3}{4}$; 0; $-\frac{8}{2}$; 0,3; -5; $\frac{1}{10}$; 7

4. Opção (B)

5.

5.1 Opção (C)

5.2 $-7 + \left|-\frac{5}{3}\right| = -7 + \frac{5}{3} = -\frac{21}{3} + \frac{5}{3} = -\frac{16}{3}$

6. $\overline{AB} = \left|-\frac{8}{3} + \frac{1}{2}\right| = \frac{13}{6}$

$2 \times \overline{BC} + 2 \times \frac{13}{6} = 2 \times \overline{BC} + \frac{26}{6}$

$\overline{BC} = \frac{\frac{35}{6} - \frac{26}{6}}{2} = \frac{3}{4}$ cm

7.

7.1 $60 - 48 = 12$ €

7.2 $\frac{12}{60} \times 100 = 20\%$

8. $\frac{50}{100} \times 700\,000 = 350\,000$

$700\,000 + 350\,000 = 1\,050\,000 = 1,05 \times 10^6$

9. $x = 150$; $y = 30$

10.

10.1 $x = 40$

10.2 $x = 110$

10.3 $x = 120$

11.

11.1 Existem 2 pentágonos.

11.2 Existem 4 quadriláteros.

11.3 Existem 3 polígonos regulares.

12.

12.1 $A = 9 \times 4 = 36$ cm²

12.2 $A = 6 \times 8 = 48$ cm²

12.3 $A = \frac{10 \times 3}{2} = 15$ cm²

12.4 $A = \frac{5 \times 10}{2} = 25$ cm²

13.

