



BAREM CORECTARE CLASA a-V-a

VARIANTA 1

Subiectul I (30puncte):

$$245 : 5 - 246 : 6 = 49 - 41 = 8 \dots\dots\dots 10 \text{ pct.}$$

$$640 : 4 - 19 \times 8 = 160 - 152 = 8 \dots\dots\dots 10 \text{ pct.}$$

$$64 - 64 : 8 = 64 - 8 = 56 \dots\dots\dots 10 \text{ pct.}$$

Subiectul II (20puncte)

$$4x \sqrt{150 - 3x(a-5)} : 3 = 10 = 68 - 204x \quad 150 - 3x(a-5) : 3 = 48 \dots\dots 5 \text{ pct.}$$

$$4x \sqrt{150 - 3x(a-5)} : 3 = 48 \times 10 = 480 \dots\dots\dots 5 \text{ pct}$$

$$150 - 3x(a-5) : 3 = 480 : 4 = 120 \dots\dots\dots 5 \text{ pct.}$$

$$3x(a-5) : 3 = 150 - 120 = 30 \dots\dots\dots 2 \text{ pct}$$

$$3x(a-5) = 30 \times 3 = 90 \dots\dots\dots 2 \text{ pct.}$$

$$a - 5 = 90 : 3 = 30, a = 30 + 5 = 35 \dots\dots\dots 1 \text{ pct}$$

Subiectul III (20PUNCTE)

$$a + b + c = 27 \dots\dots\dots 5 \text{ pct.}$$

$$a = b = c = 9 \dots\dots\dots 5 \text{ pct}$$

$$\text{succesorul} = 1000 \dots\dots\dots 5 \text{ pct}$$

$$\text{suma } 999 + 1000 = 1999 \dots\dots\dots 5 \text{ pct}$$

Subiectul IV (20puncte)

Notăm $x =$ vârsta lui Marius/în prezent

$y =$ vârsta lui Ionuț/în prezent

$z =$ vârsta lui Victor/în prezent

$$(x+2) + (y+2) + (z+2) = 34 \dots\dots\dots 3 \text{ pct.}$$

$$x + y + z = 34 - 6 = 28 \dots\dots\dots 2 \text{ pct.}$$

$$y = 2x \dots\dots\dots 2 \text{ pct}$$

$$z = 2xy \dots\dots\dots 2 \text{ pct}$$

$$z = 2 \times 2x = 4x \dots\dots\dots 1 \text{ pct}$$

$$x + 2x + 4x = 28 \dots\dots\dots 2 \text{ pct}$$

$$7x = 28 \dots\dots\dots 2 \text{ pct}$$

$$x = 28 : 7 = 4 \text{ (ani)} \dots\dots\dots 1 \text{ pct}$$

$$y = 2 \times 4 = 8 \text{ (ani)} \dots\dots\dots 3 \text{ pct}$$

$$z = 4 \times 4 = 16 \text{ (ani)} \dots\dots\dots 2 \text{ pct}$$

φ ticiu - 10 PUNCTE