

**ITALIAN'S SOLUTIONS
TO ALIRIZA'S
STUDENTS PROBLEMS**





HOW?

**All the students solved the problems, but
we are showing you the best solutions**



PROBLEM FROM EFE

Solved by Aurora



① DATI

\$9 per 1-hour work
\$1 for 1-liter petrol
2 litres petrol in 1 hour

In one day he earn
\$70.

\$9 · 10h = \$90

10h

- \$2
- \$2
- \$2
- \$2
- \$2
- \$2
- \$2
- \$2
- \$2
- \$2
- \$2
- \$20

\$90 - \$20 = \$70

② DATI

PROBLEM FROM FURKAN

Solved by Cecilia D.

em quadrado

$x = 2 \cdot 10 = 20$
20\$

Furkan

2014: 20.000\$
2015: 16.000\$
2016: 12.800\$

2014 - 2015: $20.000 : 100 = 16.000 : x$
 $x = \frac{100 \cdot 16.000}{20.000} = 0,8 = 80\%$

deprezzamento: 20%
2014 - 2015
 \downarrow
 $100\% - 80\% = 20\%$



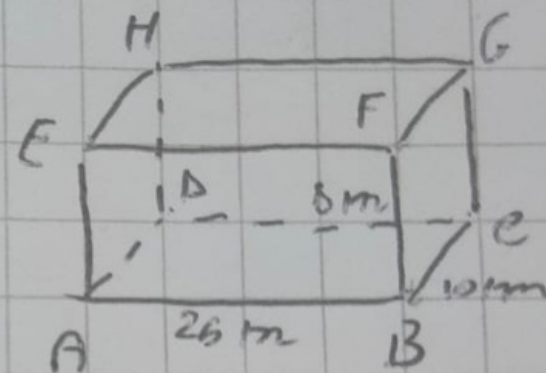
PROBLEM FROM MERYEM

Solved by Tiziano

$$3) V = 2000 \text{ m}^3$$

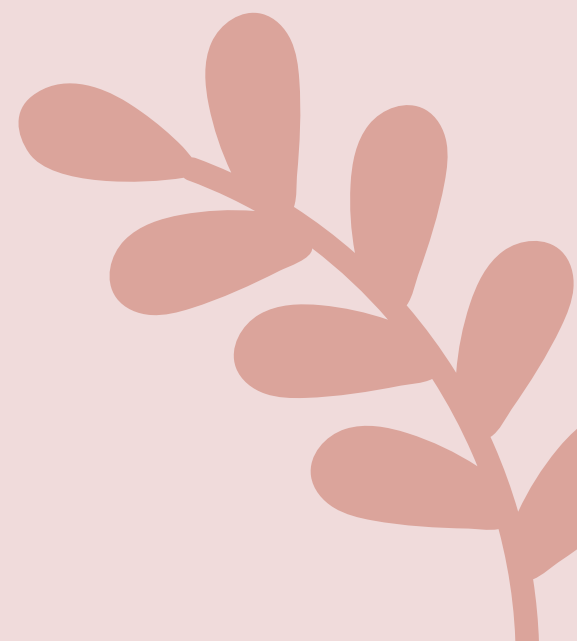
$$\overline{AB} = 25 \text{ m}$$

$$\overline{BE} = 10 \text{ m}$$



$$A_b = b \cdot h = 25 \text{ m} \cdot 10 \text{ m} = 250 \text{ m}^2$$

$$\frac{V}{A_b} = h = \frac{2000 \text{ m}^3}{250 \text{ m}^2} = 8 \text{ m}$$



PROBLEM FROM JUDE

Solved by Melissa

PROBLEMA 4

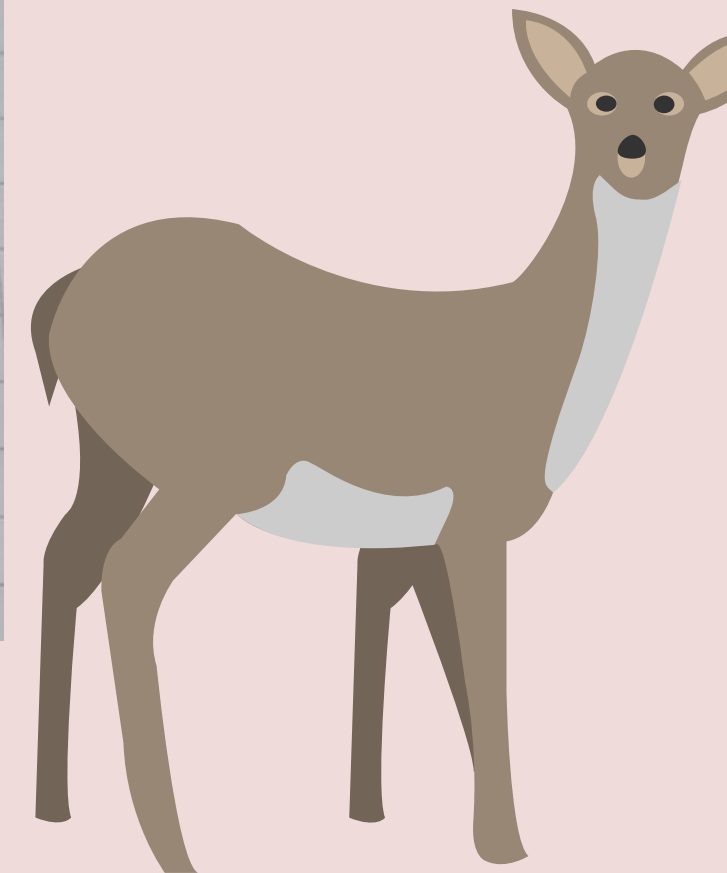
$$d_0 = 12 \text{ cm} \quad r = 6 \text{ cm}$$

$$d_0 = 8 \text{ cm} \quad r = 4 \text{ cm}$$

$$Q_{\text{ring}} = Q_0 - Q_0 = 36\pi \text{ cm}^2 - 16\pi \text{ cm}^2 = 20\pi \text{ cm}^2$$

$$Q_0 = r^2\pi = 36\pi \text{ cm}^2$$

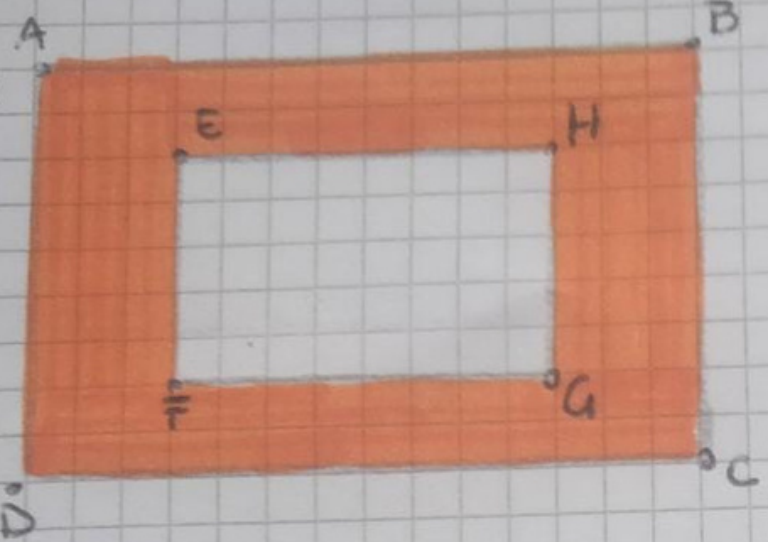
$$Q_0 = r^2\pi = 16\pi \text{ cm}^2$$



PROBLEM FROM TUANA

Solved by Cecilia V.

5)

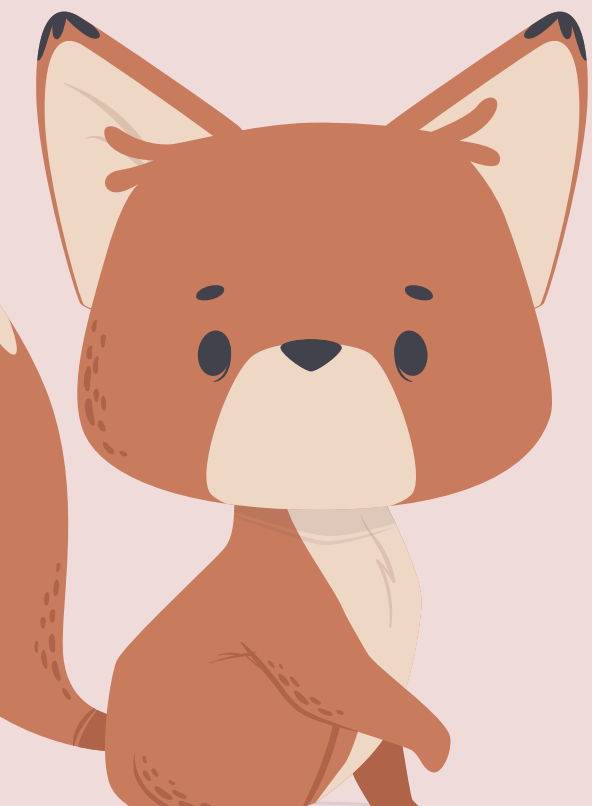



$\overline{AB} = 10\text{ cm}$ $\overline{EF} = 5\text{ cm}$ $Q_{\square} = ?$
 $\overline{BC} = 8\text{ cm}$ $\overline{FG} = 8\text{ cm}$

$Q_{\square} = \overline{AB} \cdot \overline{BC} = 10 \cdot 8 = 80\text{ cm}^2$
 $Q_{\square} = \overline{EF} \cdot \overline{FG} = 5 \cdot 8 = 40\text{ cm}^2$
 $Q_{\square} = Q_{\square} - Q_{\square} = 80 - 40 = 40\text{ cm}^2$



**MATH IS
UNIVERSAL,
BYE BYE!**





**ARGOLI
SECONDARY
SCHOOL**

TAGLIACOZZO, ITALY 