

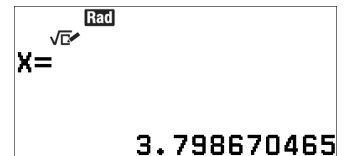
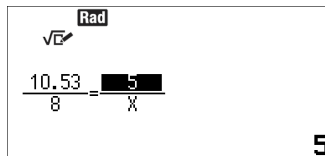
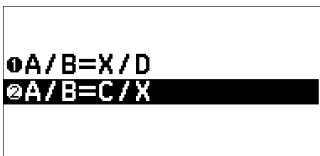


Calculer une quatrième proportionnelle :

Les grandeurs A et B ci-dessous sont proportionnelles.

Grandeur A	10,53	5
Grandeur B	8	x

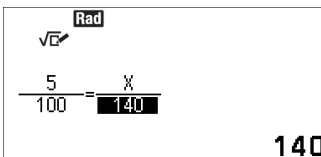
$$10,53 \times x = 5 \times 8 \quad x = \frac{5 \times 8}{10,53} \approx 3,8$$



Application aux pourcentages :

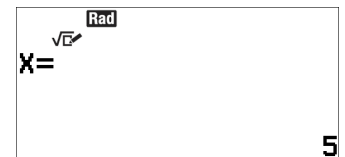
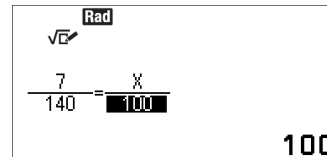
Calculer 5% de 140.

$$\frac{5}{100} \times 140 = 7$$



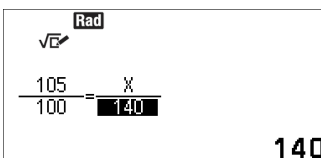
Écrire la proportion 7 sur 140 en pourcentages.

$$\frac{7}{140} = 5\%$$



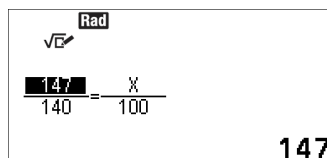
Calculer une augmentation de 5% de 140.

$$1,05 \times 140 = 147$$



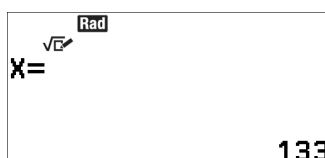
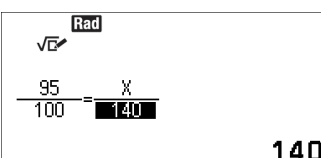
Calculer l'évolution de 140 à 147 en pourcentages.

$$\frac{147}{140} = 105\% \quad \text{Augmentation de 5\%}$$



Calculer une diminution de 5% de 140.

$$0,95 \times 140 = 133$$



Calculer l'évolution de 140 à 133 en pourcentages.

$$\frac{133}{140} = 95\% \quad \text{Diminution de 5\%}$$

