

# Wiskunde Gr 8 Mathematics

## Finansies / Finance

### 1. Persentasie % / Percentage %

↳ % altyd uit 100

↳ Always out of 100.

- a) Bepaal 15% van R300 / Calculate 15% of R300

• Dadelik  $\frac{\%}{100}$

• Always  $\frac{\%}{100}$

$$\frac{15}{100} \times R300$$

$$= R45$$

- b) Wat is 55% van 16000? / What is 55% of 16000?

$$\frac{55}{100} \times 16000$$

$$= 8800$$

- c) Bereken die persentasie van  $\frac{26}{30}$   
Calculate the percentage of  $\frac{26}{30}$

$$\frac{26}{30} \times 100$$

$$= 86,67\%$$

★ Persentasie gegee  $\frac{\%}{100} \times \square$  Percentage given

★ Persentasie gevra  $\square \times 100$  Percentage asked

### 2. BTW uitgesluit / VAT excluded

↳ Altyd 15%.

↳ Always 15%.

- maklike een
- bereken 15%.
- + by bedrag

Prys / Price	BTW
100%	15%
	VAT
115%	

- easy one
- calculate 15%.
- + to amount

- a) 'n Kar kos R150000 (BTW uitgesluit). Bereken die totale bedrag na BTW / A car costs R150 000 (Excl VAT). Calculate the total amount after VAT



②

$$R150\,000 \times \frac{15}{100}$$

$$= 22\,500$$

$$\text{Tot} = 150\,000 + 22\,500$$

$$= \underline{R172\,500}$$

OF

vermeerder increase

$$100 : 115$$

$$150\,000 \times \frac{115}{100}$$

$$= \underline{R172\,500}$$

### 3. BTW ingesluit / VAT included

↳ Prys stel 115% voor

↳ Price is inclusive of 15% = 115%

Prys sonder 100%	BTW 15%
Price excl	VAT

Prys insluitend  
Price including

115%

Om bedrag voor BTW te kry / To find amount BEFORE VAT:

a) Skoene in die winkel is R1092,50 (BTW ingesluit).

Shoes in a shop are R1092,50 (VAT incl)

$$R1092,50 \times \frac{100}{115}$$

$$= \underline{R950}$$

verminder 100:115 decrease

OF

$$\frac{R1092,50}{115} \times 100 = \underline{R950}$$

### 4. Afslag / Discount "Sale"

↳ Werk % uit

↳ Calculate %

↳ Trek AF

↳ Minus / subtract

a) Die Adidas winkel het 'n spesiale aanbod op tekkies.

Bereken hoeveel 'n paar skoene van R1499 sal kos na

30% afslag / The Adidas store has a special on their shoes. Calculate how much a pair, that is marked R1499, will be after 30% discount.

$$R1499 \times \frac{30}{100}$$

$$= 449,70$$

$$\therefore R1499 - 449,70$$

$$= \underline{R1049,30}$$

OR

$$R1499 \times \frac{70}{100}$$

$$= \underline{R1049,30}$$

100:70



8.1.3  
③

5. Afslagprys gegee / After discount price given  
↳ "Rooi tag" prys      ↳ "Red tag" price

Na afslag	% afslag
After discount	discount
Volprys / Full price 100%	

$$100 : 100 - \%$$

- a) 'n Hemp wat 25% afgemerk is, kos nou R187,50.  
Bereken die prys voor afslag. /  
A shirt that was marked down 25% is now R187,50. Calculate the price before discount

$$R187,50 \times \frac{100}{75} = \underline{R250}$$

$$\text{OR } \frac{187,50}{75} \times 100 = \underline{R250}$$

NB! As % gegee word  $\rightarrow \frac{\%}{100}$   
When % is given  $\rightarrow \frac{\%}{100}$