

# Spreadsheets Exercise 11

## Making Predictions

Open the PREDICTIONS spreadsheet from the EXERCISE 11 folder of the SPREADSHEETS SUPPORT FILES as a READ-ONLY file. It displays a discount table for a sports store, which you will need to complete, then do some predictions on its values.

GOODALL'S SPORTS STORE					
		Discount %	10.00		
ITEM	NORMAL PRICE	SALE PRICE	REDUCED BY		
Tennis Racquet	\$55.60				
Basketball	\$10.95				
Jogging Shoes	\$95.00				
Cricket Bat	\$140.00				
Cricket Balls (10)	\$585.00				
Boxing Gloves	\$45.00				
Rowing Trainer	\$265.00				
		TOTAL:			

- 1 Enter a formula to calculate the SALE PRICE of the TENNIS RACQUET. The formula will need to have the structure:

$$\text{Normal Price} - (\text{Normal Price} * \text{Discount\%/100})$$

Remember to use an absolute cell reference for the Discount% cell.

- 2 AUTOFILL the formula for the other items.
- 3 Enter a formula to calculate the REDUCED BY value for the TENNIS RACQUET. The formula will need to be in the form:

$$\text{Normal Price} - \text{Sale Price}$$

and AUTOFILL this formula for the other items.

- 4 Enter a formula to total the REDUCED BY column. This tells the storeowner how much the discounts are going to cost him or her.
- 5 Use the GOAL SEEK command to answer the following questions. You can create a duplicate worksheet after each prediction.
  - A What Discount % would cost the owner \$150?
  - B What Discount % would be required to sell the Cricket Bat at a SALE PRICE of \$115?
  - C What Discount % would be required to provide \$20 off the Rowing Trainer?
- 6 Create a duplicate worksheet and call it: Formulas
- 7 Convert the Formulas worksheet into an Equation Dump.