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## SECTION 2 — 70 marks Attempt ALL questions

**12.** A hardware company uses a relational database with the four tables shown below.

Customer	Item	Order	Sale
Customer ID	<u>Item ID</u>	<u>Order no</u>	Order no *
Customer name	Description	Customer ID *	Item ID *
Customer address	Cost	Date	Quantity
Customer email	Image		

Draw an entity relationship	diagram	t o	illustrato	tho	rolation
Draw an <i>entity-relationship</i> between the four tables.	alagram	ιο	illustrate	uie	retation

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## 12. (continued)

(d)

(c) A report is produced each time a customer makes an order. An example is shown below.

Customer	Mr D Gryffe		Order no		10728
	12 Gourock Crescent		Date		23/4/15
Item		Number ordered			Cost
Grease spray		1		£6·99	
Bell wire (100 m)		1			£8·50
Towel radiator		1		£121·50	
Disposable mouse trap		2		£9.98	
			Total		£146·97

This report is based on a query. State a list of the tables and fields that would be used in this query and any criteria that would be used to select the above data.
The report includes a single total of £146.07 after the four subtotals
The report includes a single total of £146.97 after the four subtotals.  Describe how this can be done in the report.