

EDEXCEL GCSE (9-1) BUSINESS

CALCULATION PRACTICE BOOK



Student Name:

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Remember, always show your workings!

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THEME 1

Costs

Question 1

Last year, a business had fixed costs of £875,000 and revenue of £2.5 million. The business had total variable costs of £500,000 and sold 100,000 units. Calculate the total costs of the business last year.

£ _____

Question 2

The table below shows some financial information relating to a business in April.

	April
Fixed costs	£18,000
Variable cost per unit	£2.75
Number of units sold	5,450

Using the information in the table, calculate the total costs of the business for April.

£ _____

Question 3

A business has provided the following financial information relating to the first quarter of the year.

	January – March
Number of units sold	24,000
Total costs	£187,500
Fixed costs	£91,500

Using this information, calculate the total variable costs for the business for this period.

£ _____

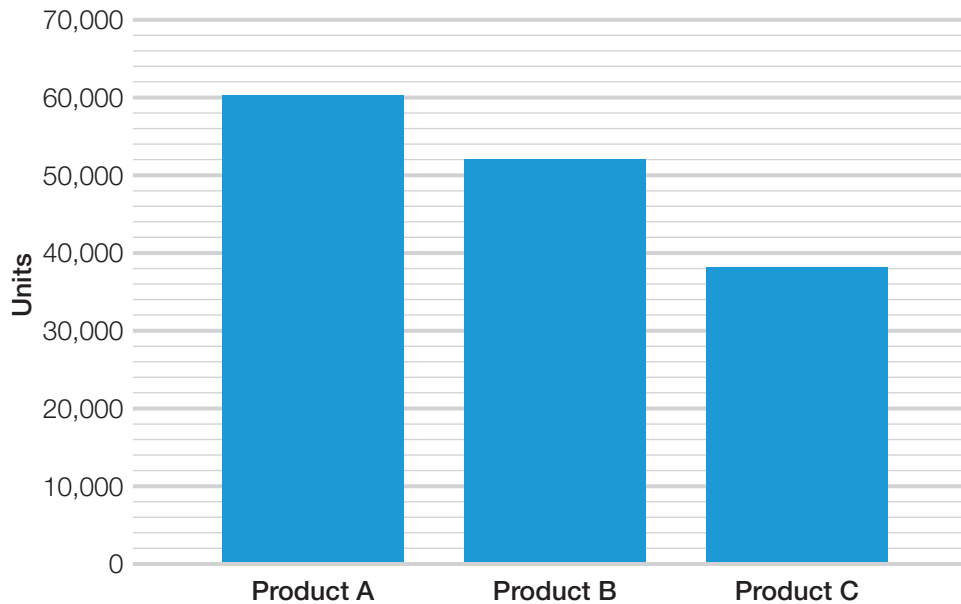
Question 4

A business generated £250,000 of revenue last month. Its total costs were 35% of its revenue during that period. Calculate the total costs of the business last month.

£ _____

Question 5

The graph below shows the sales volume a small business generated from three different products last year. The fixed costs last year were £125,000. The variable cost per unit for each product is shown in the table.



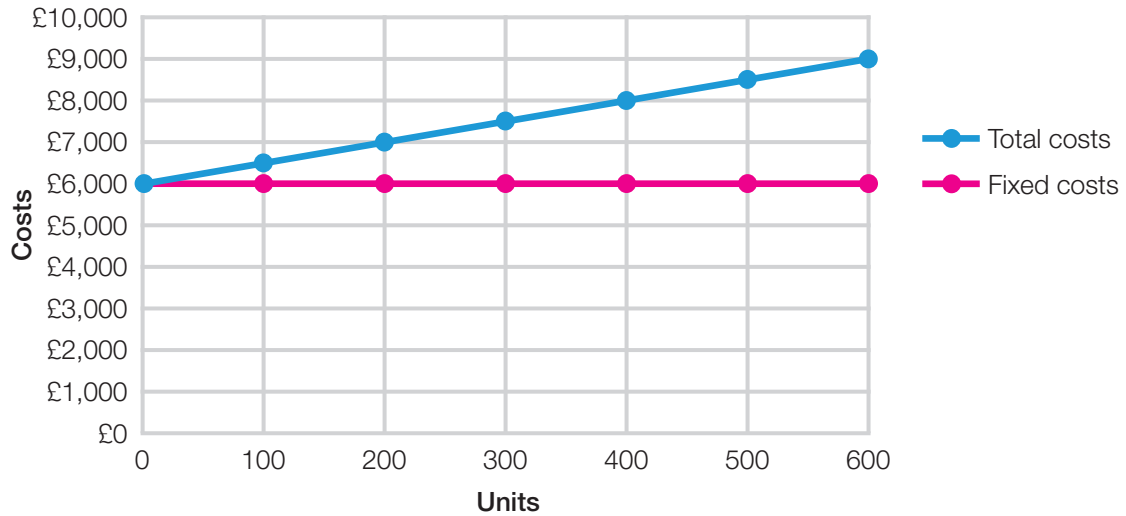
	Variable cost per unit
Product A	£2.00
Product B	£3.75
Product C	£5.00

Using the information provided, calculate the total costs of the business last year.

£ _____

Question 6

The graph below shows the fixed costs and total costs of a small business.



Using the information provided:

- i Identify the value of the fixed costs of the business.

£ _____

- ii Identify the total costs of the business at 200 units.

£ _____

- iii Calculate the total variable costs of the business at 600 units.

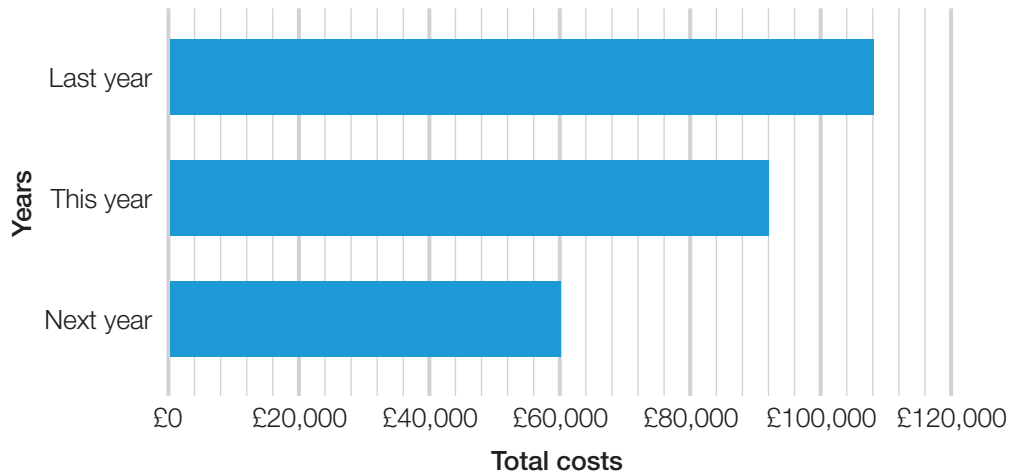
£ _____

- iv Calculate the variable cost per unit.

£ _____

Question 7

The total costs of a business over time are shown in the graph below.



Using the information provided:

- i Calculate the average total costs of the business over the three years. Give your answer to two decimal places.

£ _____

- ii If the fixed costs of the business last year amounted to £40,000, calculate the value of the total variable costs of the business last year.

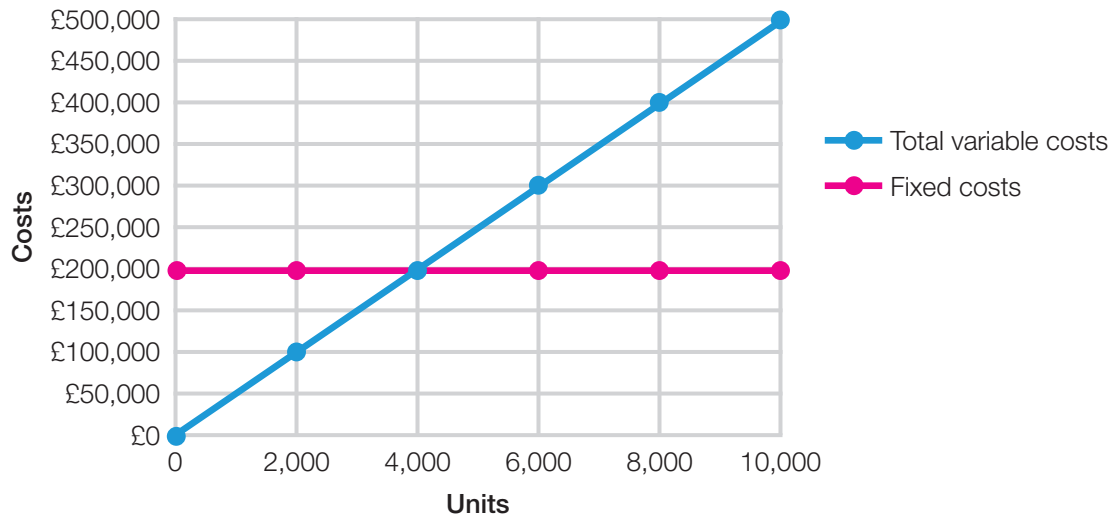
£ _____

- iii Calculate the percentage decrease in the total costs of the business between last year and next year. Give your answer to two decimal places.

£ _____

Question 8

The fixed costs and total variable costs of a business are shown in the graph below.



Using the information provided, calculate:

- i The total costs of the business at 10,000 units.

£ _____

- ii The total variable costs of the business as a percentage of fixed costs at 2,000 units.

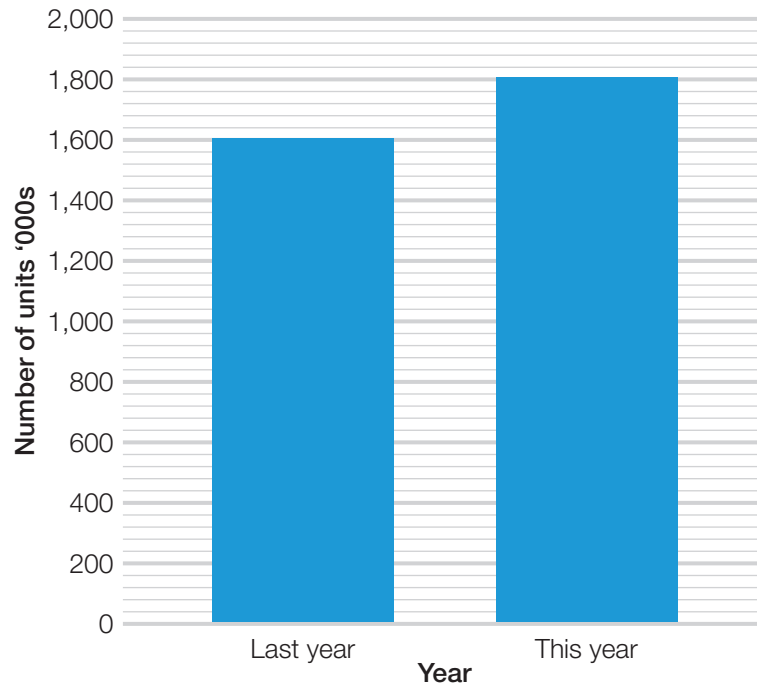
_____ %

- iii The variable cost per unit.

£ _____

Question 9

The chart below shows the number of units a business sold this year and last year.



- i Using the information in the chart, calculate the percentage increase in the number of units sold between this year and last year.

_____ %

- ii If the business expects to sell 30% more units next year compared to this year, calculate the number of units the business expects to sell next year.

_____ units