

## 15. Statistics

## Analysing and visualising business data

James set up a small online store reselling items that he thinks are likely to be popular amongst his peer group. He created an eye-catching website, grew an engaged audience on social media and carefully chose stock that he felt would be popular amongst his target audience.

Page 5 shows a dashboard of the businesses performance for the first 12 months after launch. Using the dashboard, answer the following questions about the company's performance.

1. Comment on the company's monthly sales per	formance.
2. Which month saw the company enjoy the high	est sales?





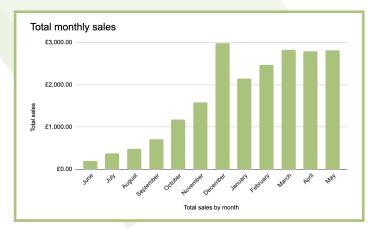
7.	7. For each graph, state the name of the type of graph used and comment on whether the company has chosen an appropriate way to visualise the data:				
	a.	Total monthly sales			
	b.	Sales mix by product			
	c.	Monthly sales by product			
	d.	Volume of items sold per month			

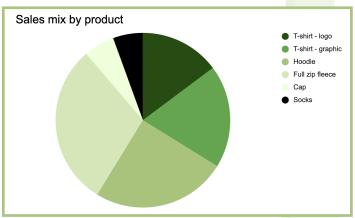


hat shows the breakdown c ssociated costs and profit.	of the total sales price of the ful	ll zip I

## Dashboard: Business Performance







	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
Total sales	£202	£383	£488	£715	£1,172	£1,587	£2,985	£2,145	£2,463	£2,832	£2,786	£2,817	£20,575

Product costs	T-shirt - logo	T-shirt - graphic	Hoodie	Full zip fleece	Сар	Socks
Cost to purchase inventory	£11.50	£16.50	£22.10	£33.75	£6.80	£1.75
Shipping	£3.26	£3.26	£4.50	£4.45	£3.20	£1.34
Packaging	£1.80	£1.80	£2.30	£2.30	£0.80	£0.90
Total cost per item	£16.56	£21.56	£28.90	£40.50	£10.80	£3.99

Sales price per product	T-shirt - logo
T-shirt - logo	£18.00
T-shirt - graphic	£22.00
Hoodie	£34.00
Full zip fleece	£45.00
Сар	£12.00
Socks	£4.20

