

# **CONGRATULATIONS!**

You've successfully completed the **30-day Power BI Crash Course by Satish Dhawale!** You've learned a lot, and now it's time to test your knowledge with the final exam. But before you dive into the exam, here's a set of mock-up questions and answers to help you prepare and solidify your understanding.

Take your time to review these questions and ensure you're confident in the concepts before tackling the final challenge.

Good luck, and let's see how much you've mastered Power BI!

## **50 multiple-choice questions (MCQs) for your Power BI mock-up test**

1. What is Power BI primarily used for?

- A. Data storage
- B. Data transformation
- C. Data analysis and visualization
- D. None

Answer: C

2. Which tool is used to load data into Power BI?

- A. Power Query
- B. DAX
- C. Power View
- D. SQL

Answer: A

3. How do you append data in Power BI?

- A. Merge Queries
- B. Append Queries
- C. Group By
- D. Filter Rows

Answer: B

4. What is the role of relationships in Power BI?

- A. To delete data
- B. To visualize data
- C. To link tables
- D. To export data

Answer: C

5. Which visual is best for showing trends over time?

- A. Bar Chart
- B. Line Chart
- C. Pie Chart
- D. Gauge

Answer: B

6. What is DAX used for in Power BI?

- A. Data formatting
- B. Data analysis
- C. Visualization
- D. Importing data

Answer: B

7. Which function is used to create a measure for total sales in Power BI?

- A. COUNT()
- B. AVERAGE()
- C. SUM()
- D. MAX()

Answer: C

8. What does YTD stand for in Power BI DAX formulas?

- A. Year-To-Date
- B. Yesterday-Today
- C. Year-To-Duration
- D. Yearly Target Data

Answer: A

9. In which view can you format your Power BI report?

- A. Data view
- B. Report view
- C. Model view
- D. Query view

Answer: B

10. Which DAX function is used to filter a table based on specific criteria?

- A. FILTER()
- B. CALCULATE()
- C. IF()
- D. CONTAINS()

Answer: A

11. Which visual would you use to show geographical data in Power BI?

- A. Line Chart
- B. Map Visual
- C. Bar Chart
- D. Slicer

Answer: B

12. What is the difference between SUM() and SUMX() in DAX?

- A. SUM sums all values; SUMX sums with row-level expressions
- B. Both sum all values
- C. SUM calculates averages
- D. SUMX only counts unique values

Answer: A

13. How do you display hierarchical data in Power BI?

- A. Using Matrix visual
- B. Using Pie chart
- C. Using Slicer
- D. Using Bar chart

Answer: A

14. Which DAX function would you use for cumulative totals?

- A. SUM()
- B. AVERAGE()
- C. DATESYTD()
- D. IF()

Answer: C

15. What is the role of the Power Query Editor in Power BI?

- A. Visual creation
- B. Data transformation and cleaning
- C. Data analysis
- D. Data import

Answer: B

16. How do you add interactivity to a Power BI report?

- A. Using visuals and slicers
- B. Using SQL queries
- C. Data modeling
- D. Using 'New Table'

Answer: A

17. Which DAX function returns a filtered table?

- A. CALCULATE()
- B. FILTER()
- C. SUM()
- D. SUMX()

Answer: B

18. What does MTD stand for in DAX formulas?

- A. Month-To-Date
- B. Multiple-Time Data
- C. Mid-Term Data
- D. Monthly Time Data

Answer: A

19. Which chart is most appropriate for comparing sales by region?

- A. Line Chart
- B. Bar Chart
- C. KPI
- D. Slicer

Answer: B

20. How do you append data in Power BI?

- A. Use Power Query Editor
- B. Use SQL queries
- C. Use Data Modeling
- D. Use Report View

Answer: A

21. What is the main use of a Scatter Chart?

- A. Compare trends
- B. Show proportional data
- C. Show relationships between two variables
- D. Show hierarchical data

Answer: C

22. What is the purpose of a slicer in Power BI?

- A. Filter data visually
- B. Summarize data
- C. Combine data
- D. Append queries

Answer: A

23. Which DAX function is used to calculate running totals?

- A. SUMX()
- B. AVERAGE()
- C. DATESBETWEEN()
- D. CALCULATE()

Answer: C

24. How do you format a Line Chart in Power BI?

- A. Use DAX
- B. Use 'Format' pane
- C. Use Power Query
- D. Use SQL

Answer: B

25. What does QTD stand for in Power BI DAX?

- A. Query-To-Date
- B. Quick-Time Data
- C. Quarter-To-Date
- D. Quality-Time Data

Answer: C

26 .How can you display data in a card format?

- A. Using Matrix visual
- B. Using Card visual
- C. Using Slicer
- D. Using Bar Chart

Answer: B

27. Which visual is best for displaying trends over time?

- A. Line Chart
- B. Bar Chart
- C. Tree Map
- D. KPI

Answer: A

28. How do you create relationships between tables in Power BI?

- A. Use 'Manage Relationships'
- B. Use DAX
- C. Use 'New Measure'
- D. Use visuals

Answer: A

29. What is the role of the 'Waterfall Chart'?

- A. Show cumulative totals
- B. Show hierarchical data
- C. Compare categorical data
- D. Show relationships between variables

Answer: A

30. How can you create a new calculated column in Power BI?

- A. Use DAX
- B. Use Power Query
- C. Use visuals
- D. Use SQL

Answer: A

31. Which DAX function is used for conditional expressions?

- A. IF()
- B. COUNT()
- C. SUM()
- D. CONCATENATE()

Answer: A

32. How do you calculate Year-To-Date totals in Power BI?

- A. SUMX()
- B. YTD()
- C. DATESYTD()
- D. CALCULATE()

Answer: C

33. What is the use of 'Tree Map' visual in Power BI?

- A. Show proportional data
- B. Show hierarchical data
- C. Show trends over time
- D. Compare values across categories

Answer: B

34. Which function is used to calculate averages in DAX?

- A. SUM()
- B. AVERAGE()
- C. COUNT()
- D. MAX()

Answer: B

35. What is the role of 'Slicer' in Power BI?

- A. Summarize data
- B. Filter data visually
- C. Combine multiple queries
- D. Create relationships

Answer: B

36. Which DAX function is used for cumulative totals?

- A. SUM()
- B. SUMX()
- C. DATESYTD()
- D. IF()

Answer: C

37. How do you display relationships between data points in Power BI?

- A. Using Scatter Chart
- B. Using Bar Chart
- C. Using KPI
- D. Using Matrix visual

Answer: A

38. What does the Power Query Editor allow you to do?

- A. Clean and transform data
- B. Visualize data
- C. Create DAX measures
- D. Export data

Answer: A



39. Which chart is best for showing proportions of a whole?

- A. Pie Chart
- B. Line Chart
- C. Bar Chart
- D. Scatter Chart

Answer: A

40. How do you show trends over time using visuals?

- A. Use Line Chart
- B. Use Pie Chart
- C. Use Card visual
- D. Use Slicer

Answer: A

41. What is the use of a KPI visual in Power BI?

- A. Display key metrics
- B. Show geographical data
- C. Compare categorical data
- D. Show relationships

Answer: A

42. Which DAX function is used for conditional calculations?

- A. IF()
- B. SUMX()
- C. CALCULATE()
- D. COUNT()

Answer: A

43. What is a Funnel Chart used for in Power BI?

- A. Visualize a process
- B. Compare data across categories
- C. Show geographical data
- D. Create cumulative totals

Answer: A

44. What is the main function of Power Query?

- A. Import and clean data
- B. Visualize data
- C. Create reports
- D. Perform calculations

Answer: A

45. Which DAX function is used to calculate a filtered sum?

- A. CALCULATE()
- B. FILTER()
- C. SUMX()
- D. MAX()

Answer: A

46. How do you create a new measure in Power BI?

- A. Use DAX
- B. Use Power Query
- C. Use visuals
- D. Use SQL

Answer: A

47. What is the role of 'Card' visual in Power BI?

- A. Display single values
- B. Show trends over time
- C. Show hierarchical data
- D. Compare categories

Answer: A

48. Which visual would you use to compare data across categories?

- A. Bar Chart
- B. Line Chart
- C. Tree Map
- D. Card

Answer: A

49. What is the role of DAX in Power BI?

- A. Perform data analysis
- B. Create relationships
- C. Visualize data
- D. Export data

Answer: A

50. Which DAX function would you use for percentage growth?

- A. DIVIDE()
- B. SUMX()
- C. CALCULATE()
- D. IF()

Answer: A

**Great job on completing the mock-up questions!** 🎉

You're now well-prepared and ready to take on the final exam with confidence. Remember, this is your chance to showcase all the skills and knowledge you've gained over the past 30 days. Stay calm, focus on the questions, and give it your best shot!

Good luck, and we're excited to see your amazing results. Let's finish this course strong!