



Interpret data represented by a matrix

- 1 This matrix shows the sessions booked of 4 trainers at 2 gyms. What is the sessions booked of trainer 4 at gym 1?

$$\begin{bmatrix} 56 & 97 & 63 & 84 \\ 49 & 42 & 70 & 80 \end{bmatrix}$$

A

84

B

63

- 2 This matrix shows the shipments of 3 ships at 2 ports. Which ship and port had shipments of 40?

$$\begin{bmatrix} 4 & 43 & 40 \\ 8 & 76 & 42 \end{bmatrix}$$

A

Ship 3, Port 1

B

Ship 2, Port 2

- 3 Choose the matrix that represents the scenario.

A company records the tonnes for the farms Sunnyvale and Hillside and the crops Barley, Corn, Wheat, and Oats. Which matrix could represent this data?

A

$$\begin{bmatrix} 82 & 26 \\ 37 & 46 \end{bmatrix}$$

B

$$\begin{bmatrix} 11 & 44 & 35 & 42 \\ 46 & 4 & 25 & 52 \end{bmatrix}$$

- 4 This matrix shows the deliveries of 3 vans at 2 depots. What does the value 36 represent?

$$\begin{bmatrix} 68 & 87 & 33 \\ 32 & 71 & 36 \end{bmatrix}$$

A

the deliveries of van 1 at depot 1

B

the deliveries of van 3 at depot 2

- 5 Matrix A shows the grams of 3 ingredients at 2 recipes. Matrix B shows the calories and protein per ingredient. What does the value 45 in AB represent?

$$A = \begin{bmatrix} 9 & 2 & 8 \\ 1 & 4 & 5 \end{bmatrix} \quad B = \begin{bmatrix} 6 & 8 \\ 2 & 3 \\ 1 & 5 \end{bmatrix} \quad AB = \begin{bmatrix} 66 & 118 \\ 19 & 45 \end{bmatrix}$$

A

the total calories at recipe 2

B

the total protein at recipe 2

- 6 This matrix shows the orders of 3 drinks at 2 cafes. What does the value 89 represent?

$$\begin{bmatrix} 89 & 53 & 95 \\ 46 & 82 & 29 \end{bmatrix}$$

A

the orders of drink 2 at cafe 1

B

the orders of drink 1 at cafe 1

- 7 Matrix A shows the grams of 3 ingredients at 2 recipes. Matrix B shows the calories and protein per ingredient. What does the value 61 in AB represent?

$$A = \begin{bmatrix} 5 & 3 & 8 \\ 6 & 1 & 9 \end{bmatrix} \quad B = \begin{bmatrix} 3 & 1 \\ 5 & 8 \\ 9 & 4 \end{bmatrix} \quad AB = \begin{bmatrix} 102 & 61 \\ 104 & 50 \end{bmatrix}$$

A

the total calories at recipe 1

B

the total protein at recipe 1