



Math worksheet on 'Matrices - Add (Level 1)'. Part of a broader unit on 'Matrices'

Learn online: app.mobius.academy/math/units/matrices/

1 Find the resulting matrix for $P + R$

$P = \begin{bmatrix} 7 & 3 & 4 \\ 9 & 6 & 9 \\ 7 & 9 & 2 \\ 7 & 6 & 8 \\ 1 & 3 & 4 \\ 6 & 5 & 2 \end{bmatrix}$

a	$\begin{bmatrix} 14 & 9 & 12 \\ 10 & 6 & 13 \\ 13 & 14 & 4 \end{bmatrix}$	b	$\begin{bmatrix} 14 & 9 & 12 \\ 10 & 9 & 13 \\ 13 & 14 & 4 \end{bmatrix}$
c	$\begin{bmatrix} 3 & 3 \\ 1 & 1 \end{bmatrix}$	d	$\begin{bmatrix} 7 & 3 & 4 & 7 & 6 & 8 \\ 9 & 6 & 9 & 1 & 3 & 4 \\ 7 & 9 & 2 & 6 & 5 & 2 \end{bmatrix}$
e	undefined		

2 Find the resulting matrix for $R + P$

$R = \begin{bmatrix} 8 & 3 \\ 3 & 1 \\ 9 & 6 \\ 5 & 8 \end{bmatrix}$

$P = \begin{bmatrix} 8 & 3 & 9 & 6 \\ 3 & 1 & 5 & 8 \end{bmatrix}$

a	$\begin{bmatrix} 8 & 3 & 9 & 6 \\ 3 & 1 & 5 & 8 \end{bmatrix}$	b	$\begin{bmatrix} 3 & 3 \\ 2 & 1 \end{bmatrix}$
c	$\begin{bmatrix} 7 & 5 \\ 2 & 7 \end{bmatrix}$	d	undefined
e	$\begin{bmatrix} 17 & 9 \\ 8 & 9 \end{bmatrix}$		

3 Find the resulting matrix for $D + C$

$D = \begin{bmatrix} 3 & 5 & 9 \\ 1 & 4 & 2 \\ 9 & 0 & 9 \\ 0 & 8 & 7 \\ 8 & 9 & 2 \\ 6 & 5 & 3 \end{bmatrix}$

$C = \begin{bmatrix} 3 & 5 & 9 \\ 1 & 4 & 2 \\ 9 & 0 & 9 \\ 0 & 8 & 7 \\ 8 & 9 & 2 \\ 6 & 5 & 3 \end{bmatrix}$

a	$\begin{bmatrix} 5 & 3 & 2 \\ 0 & 8 & 0 \\ 5 & 0 & 5 \end{bmatrix}$	b	$\begin{bmatrix} 3 & 5 & 9 \\ 1 & 4 & 2 \\ 9 & 0 & 9 \\ 0 & 8 & 7 \\ 8 & 9 & 2 \\ 6 & 5 & 3 \end{bmatrix}$
c	$\begin{bmatrix} 3 & 13 & 16 \\ 9 & 13 & 4 \\ 15 & 5 & 12 \end{bmatrix}$	d	$\begin{bmatrix} 4 & 3 & 1 \\ 9 & 7 & 5 \\ 0 & 7 & 8 \end{bmatrix}$
e	$\begin{bmatrix} 6 & 5 & 9 \\ 9 & 7 & 0 \\ 3 & 2 & 3 \end{bmatrix}$		

4 Find the resulting matrix for $P + X$

$P = \begin{bmatrix} 1 \\ 7 \end{bmatrix}$

$X = \begin{bmatrix} 5 \\ 8 \end{bmatrix}$

a	$\begin{bmatrix} 7 \\ 6 \end{bmatrix}$	b	$\begin{bmatrix} 6 \\ 15 \end{bmatrix}$	c	$\begin{bmatrix} 3 \\ 12 \end{bmatrix}$	d	$\begin{bmatrix} 3 & 1 \\ 3 & 3 \end{bmatrix}$	e	$\begin{bmatrix} 1 \\ 7 \\ 5 \\ 8 \end{bmatrix}$
----------	--	----------	---	----------	---	----------	--	----------	--

5 Find the resulting matrix for $X + Y$

$X = \begin{bmatrix} 3 & 7 \\ 5 & 0 \\ 4 & 5 \end{bmatrix}$

$Y = \begin{bmatrix} 1 & 8 \\ 9 & 3 \\ 9 & 2 \end{bmatrix}$

a	$\begin{bmatrix} 4 & 15 \\ 14 & 3 \\ 12 & 7 \end{bmatrix}$	b	$\begin{bmatrix} 4 & 15 \\ 14 & 6 \\ 13 & 7 \end{bmatrix}$	c	$\begin{bmatrix} 4 & 15 \\ 14 & 3 \\ 13 & 7 \end{bmatrix}$	d	$\begin{bmatrix} 0 & 6 \\ 1 & 4 \\ 6 & 5 \end{bmatrix}$	e	$\begin{bmatrix} 6 & 8 \\ 3 & 9 \\ 1 & 0 \end{bmatrix}$
----------	--	----------	--	----------	--	----------	---	----------	---

6 Find the resulting matrix for $Y + B$

$Y = \begin{bmatrix} 1 \\ 9 \\ 6 \end{bmatrix}$

$B = \begin{bmatrix} 8 \\ 9 \\ 6 \end{bmatrix}$

a	$\begin{bmatrix} 0 \\ 3 \\ 2 \end{bmatrix}$	b	$\begin{bmatrix} 3 & 1 \\ 2 & 1 \end{bmatrix}$	c	$\begin{bmatrix} 9 \\ 18 \\ 12 \end{bmatrix}$	d	$\begin{bmatrix} 6 \\ 7 \\ 1 \end{bmatrix}$	e	$\begin{bmatrix} 1 \\ 9 \\ 6 \\ 8 \\ 9 \\ 6 \end{bmatrix}$
----------	---	----------	--	----------	---	----------	---	----------	--

7 Find the resulting matrix for $X + R$

$X = \begin{bmatrix} \end{bmatrix}$

$R = \begin{bmatrix} 6 \end{bmatrix}$

a	undefined	b	$\begin{bmatrix} 4 \end{bmatrix}$
c	$\begin{bmatrix} \end{bmatrix}$	d	$\begin{bmatrix} 3 \end{bmatrix}$