1. Cheryl asked the players on two mens' and women's softball teams what color their new uniforms should be: red, blue, or green. She recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2			
	R	В	G		R	В	G
Men	1	3	2	Men	[1	0	2
Women	6	5	0	Women	3	4	6

2. Katie asked the players on two mens' and women's football teams what color their new uniforms should be: red, blue, or green. She recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2			
	R	В	G		R	В	G
Men	8	1	2]	Men	3	2	0
Women	4	6	7	Women	8	4	2

3. Nicole asked the players on two mens' and women's soccer teams what color their new uniforms should be: red, blue, or green. She recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2			
	R	В	G		R	В	G
Men	0	5	3	Men	6	9	1
Women	8	1	2	Women	7	5	8

4. Don asked the players on two mens' and women's football teams what color their new uniforms should be: red, blue, or green. He recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2			
	R	В	G		R	В	G
Men	0	7	3	Men	5	4	8
Women	6	5	8	Women	7	1	7

5. Mark asked the players on two mens' and women's baseball teams what color their new uniforms should be: red, blue, or green. He recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2			
	R	В	G		R	В	G
Men	4	2	1]	Men	2	9	6]
Women	0	7	3	Women	3	0	4

6. Daryl asked the players on two mens' and women's hockey teams what color their new uniforms should be: red, blue, or green. He recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2			
	R	В	G		R	В	G
Men	1	4	8	Men	[2	0	4
Women	3	6	5	Women	5	8	0

7. Ryan asked the players on two mens' and women's tennis teams what color their new uniforms should be: red, blue, or green. He recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2			
	R	В	G		R	В	G
Men	2	0	7]	Men	3	8	2
Women	1	4	8	Women	5	4	5

8. Mary asked the players on two mens' and women's ski teams what color their new uniforms should be: red, blue, or green. She recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2	
	R	В	G	R B G	
Men	3	6	5	Men $\begin{bmatrix} 0 & 1 & 6 \end{bmatrix}$	
Women	2	0	7	Women 9 7 6	

9. Cheryl asked the players on two mens' and women's softball teams what color their new uniforms should be: red, blue, or green. She recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2			
	R	В	G		R	В	G
Men	6	0	5]	Men	5	8	1]
Women	1	3	7	Women	2	3	3

10. Katie asked the players on two mens' and women's soccer teams what color their new uniforms should be: red, blue, or green. She recorded the results in two matrices. Find the total for the two teams.

Team 1				Team 2			
	R	В	G		R	В	G
Men	8	4	2]	Men	4	6	0
Women	6	0	5	Women	7	9	9

11.
$$\begin{bmatrix} 7 & 6 & -9 \\ 3 & -7 & -5 \\ 0 & -8 & 4 \end{bmatrix} + \begin{bmatrix} -7 & -6 & 1 \\ 9 & -5 & 2 \\ -9 & 7 & 0 \end{bmatrix}$$
[A]
$$\begin{bmatrix} 0 & 0 & -8 \\ 12 & -12 & 4 \\ -9 & -1 & -3 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 0 & 0 & -8 \\ 12 & -12 & -3 \\ -9 & -1 & 4 \end{bmatrix}$$
[C]
$$\begin{bmatrix} 14 & 12 & -10 \\ -6 & -2 & -7 \\ 9 & -15 & 4 \end{bmatrix}$$
[D]
$$\begin{bmatrix} 14 & 12 & -10 \\ -6 & -2 & 4 \\ 9 & -15 & -7 \end{bmatrix}$$

12.
$$\begin{bmatrix} -3 & 5 & 2 \\ -4 & 8 & -6 \\ 9 & -2 & -1 \end{bmatrix} - \begin{bmatrix} -8 & -4 & 8 \\ 6 & -3 & 4 \\ -2 & 3 & 5 \end{bmatrix}$$
[A]
$$\begin{bmatrix} -11 & 1 & 10 \\ 2 & 5 & -2 \\ 7 & 1 & 4 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 5 & 9 & -6 \\ -10 & 11 & -6 \\ 11 & -5 & -10 \end{bmatrix}$$
[C]
$$\begin{bmatrix} -11 & 1 & 10 \\ 2 & 5 & 4 \\ 7 & 1 & -2 \end{bmatrix}$$
[D]
$$\begin{bmatrix} 5 & 9 & -6 \\ -10 & 11 & -10 \\ 11 & -5 & -6 \end{bmatrix}$$
13.
$$\begin{bmatrix} 1 & -3 & 3 \\ -1 & -7 & 4 \\ 7 & 9 & -9 \end{bmatrix} + \begin{bmatrix} -1 & -3 & -8 \\ 7 & 3 & -2 \\ 4 & 1 & -4 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 0 & -6 & -5 \\ 6 & -4 & 2 \\ 11 & 10 & -13 \end{bmatrix}$$
[A]
$$\begin{bmatrix} 0 & -6 & -5 \\ 6 & -4 & 2 \\ 11 & 10 & -13 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 0 & -6 & -5 \\ 6 & -4 & -13 \\ 11 & 10 & 2 \end{bmatrix}$$
[C]
$$\begin{bmatrix} 2 & 0 & 11 \\ -8 & -10 & -5 \\ 3 & 8 & 6 \end{bmatrix}$$
[D]
$$\begin{bmatrix} 2 & 0 & 11 \\ -8 & -10 & 6 \\ 3 & 8 & -5 \end{bmatrix}$$
14.
$$\begin{bmatrix} 2 & -6 & 5 \\ 6 & 0 & -2 \\ -4 & -8 & 1 \end{bmatrix} - \begin{bmatrix} 0 & 2 & 6 \\ -6 & -1 & -9 \\ 5 & -5 & 8 \end{bmatrix}$$
[A]
$$\begin{bmatrix} 2 & -4 & 11 \\ 0 & -1 & 9 \\ 1 & -13 & -11 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 1 & 2 & -8 & -1 \\ 12 & 1 & 7 \\ -9 & -3 & -7 \end{bmatrix}$$
[C]
$$\begin{bmatrix} 2 & -8 & -1 \\ 12 & 1 & 7 \\ -9 & -3 & 7 \end{bmatrix}$$
[D]
$$\begin{bmatrix} 2 & -4 & 11 \\ 0 & -1 & -11 \\ 1 & -13 & 9 \end{bmatrix}$$

15.
$$\begin{bmatrix} -5 & -6 & -1 \\ 8 & -5 & -7 \\ -3 & 0 & 9 \end{bmatrix} - \begin{bmatrix} -7 & 9 & 1 \\ 9 & 5 & -3 \\ 2 & 3 & -6 \end{bmatrix}$$
[A]
$$\begin{bmatrix} 2 & -15 & -2 \\ -1 & -10 & 15 \\ -5 & -3 & -4 \end{bmatrix}$$
[B]
$$\begin{bmatrix} -12 & 3 & 0 \\ 17 & 0 & -10 \\ -1 & 3 & 3 \end{bmatrix}$$
[C]
$$\begin{bmatrix} -12 & 3 & 0 \\ 17 & 0 & 3 \\ -1 & 3 & -10 \end{bmatrix}$$
[D]
$$\begin{bmatrix} 2 & -15 & -2 \\ -1 & -10 & -4 \\ -5 & -3 & 15 \end{bmatrix}$$
16.
$$\begin{bmatrix} 1 & 7 & 8 \\ -8 & 6 & -2 \\ -4 & 4 & 3 \end{bmatrix} + \begin{bmatrix} -2 & 4 & 8 \\ 0 & -8 & 6 \\ -1 & -9 & -4 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 3 & 3 & 0 \\ -8 & 14 & -8 \\ -3 & 13 & 7 \end{bmatrix}$$
[A]
$$\begin{bmatrix} -1 & 11 & 16 \\ -8 & -2 & -1 \\ -5 & -5 & 4 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 3 & 3 & 0 \\ -8 & 14 & -8 \\ -3 & 13 & 7 \end{bmatrix}$$
[C]
$$\begin{bmatrix} -3 & 3 & 0 \\ -8 & 14 & 7 \\ -3 & 13 & -8 \end{bmatrix}$$
[D]
$$\begin{bmatrix} -1 & 11 & 16 \\ -8 & -2 & 4 \\ -5 & -5 & -1 \end{bmatrix}$$
17.
$$\begin{bmatrix} -9 & 7 & 0 \\ 5 & -6 & -5 \\ 2 & -2 & 2 \end{bmatrix} - \begin{bmatrix} 7 & 7 & 3 \\ -7 & 2 & -3 \\ -5 & -7 & -1 \end{bmatrix}$$
[B]
$$\begin{bmatrix} -2 & 14 & 3 \\ -2 & -4 & -8 \\ -3 & -9 & 1 \end{bmatrix}$$
[B]
$$\begin{bmatrix} -2 & 14 & 3 \\ -2 & -4 & 1 \\ -3 & -9 & -8 \end{bmatrix}$$
[C]
$$\begin{bmatrix} -16 & 0 & -3 \\ 12 & -8 & -2 \\ 7 & 5 & 3 \end{bmatrix}$$
[D]
$$\begin{bmatrix} -16 & 0 & -3 \\ 12 & -8 & 3 \\ 7 & 5 & -2 \end{bmatrix}$$

$$\begin{aligned} & \begin{bmatrix} -4 & -8 & -7 \\ 8 & 1 & -1 \\ -3 & 5 & 4 \end{bmatrix} + \begin{bmatrix} 9 & -8 & -5 \\ 6 & 8 & 0 \\ -4 & -6 & 4 \end{bmatrix} \\ & & \begin{bmatrix} A \end{bmatrix} \begin{bmatrix} 5 & -16 & -12 \\ 14 & 9 & 8 \\ -7 & -1 & -1 \end{bmatrix} \\ & & \begin{bmatrix} B \end{bmatrix} \begin{bmatrix} 5 & -16 & -12 \\ 14 & 9 & -1 \\ -7 & -1 & 8 \end{bmatrix} \\ & & \begin{bmatrix} C \end{bmatrix} \begin{bmatrix} -13 & 0 & -2 \\ 2 & -7 & -1 \\ 1 & 11 & 0 \end{bmatrix} \\ & & \begin{bmatrix} D \end{bmatrix} \begin{bmatrix} -13 & 0 & -2 \\ 2 & -7 & 0 \\ 1 & 11 & -1 \end{bmatrix} \\ & & \begin{bmatrix} B \end{bmatrix} \begin{bmatrix} 4 & 14 & 3 \\ -18 & -2 \\ 4 & 5 & -3 \end{bmatrix} \\ & & \begin{bmatrix} A \end{bmatrix} \begin{bmatrix} 8 & 4 & -15 \\ 0 & -16 & -8 \\ 2 & 3 & -11 \end{bmatrix} \\ & & \begin{bmatrix} B \end{bmatrix} \begin{bmatrix} 4 & 14 & 3 \\ -18 & -2 & 4 \\ 4 & 5 & -3 \end{bmatrix} \\ & & \begin{bmatrix} C \end{bmatrix} \begin{bmatrix} 4 & 14 & 3 \\ -18 & -2 & 4 \\ 4 & 5 & -3 \end{bmatrix} \\ & & \begin{bmatrix} C \end{bmatrix} \begin{bmatrix} -5 & 2 & 8 \\ -3 & 9 & 1 \\ -1 & 5 & 7 \end{bmatrix} + \begin{bmatrix} -8 & 2 & -7 \\ -4 & -9 & 0 \\ -1 & 3 & 5 \end{bmatrix} \\ & & \begin{bmatrix} A \end{bmatrix} \begin{bmatrix} -13 & 4 & 1 \\ -7 & 0 & 1 \\ -2 & 8 & 1 \end{bmatrix} \\ & & \begin{bmatrix} C \end{bmatrix} \begin{bmatrix} 3 & 0 & 15 \\ 1 & 18 & 2 \\ 0 & 2 & 1 \end{bmatrix} \\ & & \begin{bmatrix} D \end{bmatrix} \begin{bmatrix} 3 & 0 & 15 \\ 1 & 18 & 2 \\ 0 & 2 & 1 \end{bmatrix} \\ & & \begin{bmatrix} D \end{bmatrix} \begin{bmatrix} 3 & 0 & 15 \\ 1 & 18 & 1 \\ 0 & 2 & 2 \end{bmatrix} \end{aligned}$$

21.
$$\begin{bmatrix} 3 & -2 \\ 7 & 4 \end{bmatrix} + \begin{bmatrix} 6 & -3 \\ 4 & -2 \end{bmatrix}$$
[A]
$$\begin{bmatrix} -3 & 1 \\ 3 & 6 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 9 & -5 \\ 3 & 6 \end{bmatrix}$$
[C]
$$\begin{bmatrix} 9 & -5 \\ 11 & 2 \end{bmatrix}$$
[D]
$$\begin{bmatrix} -3 & 1 \\ 11 & 2 \end{bmatrix}$$
22.
$$\begin{bmatrix} 1 & -1 \\ -3 & 1 \end{bmatrix} + \begin{bmatrix} -2 & -3 \\ 4 & -3 \end{bmatrix}$$
[A]
$$\begin{bmatrix} 3 & 2 \\ -7 & 4 \end{bmatrix}$$
[B]
$$\begin{bmatrix} -1 & -4 \\ -7 & 4 \end{bmatrix}$$
[C]
$$\begin{bmatrix} -1 & -4 \\ 1 & -2 \end{bmatrix}$$
[D]
$$\begin{bmatrix} 3 & 2 \\ 1 & -2 \end{bmatrix}$$
23.
$$\begin{bmatrix} -2 & 4 \\ -6 & 5 \end{bmatrix} + \begin{bmatrix} 8 & 5 \\ 2 & -4 \end{bmatrix}$$
[A]
$$\begin{bmatrix} -10 & -1 \\ -4 & 1 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 6 & 9 \\ -8 & 9 \end{bmatrix}$$
[C]
$$\begin{bmatrix} 6 & 9 \\ -4 & 1 \end{bmatrix}$$
[D]
$$\begin{bmatrix} -10 & -1 \\ -8 & 9 \end{bmatrix}$$
24.
$$\begin{bmatrix} 8 & 8 \\ 3 & -7 \end{bmatrix} + \begin{bmatrix} 6 & -3 \\ 7 & 3 \end{bmatrix}$$
[A]
$$\begin{bmatrix} 14 & 5 \\ -4 & -10 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 2 & 11 \\ 10 & -4 \end{bmatrix}$$
[C]
$$\begin{bmatrix} 14 & 5 \\ 10 & -4 \end{bmatrix}$$
[D]
$$\begin{bmatrix} 2 & 11 \\ -4 & -10 \end{bmatrix}$$
25.
$$\begin{bmatrix} -2 & 3 \\ -4 & -10 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 18 \\ 16 \end{bmatrix} \begin{bmatrix} -8 & -4 \\ 15 & 4 \end{bmatrix}$$
[C]
$$\begin{bmatrix} 4 & 10 \\ 1 & 8 \end{bmatrix}$$
[D]
$$\begin{bmatrix} -8 & -4 \\ 1 & 8 \end{bmatrix}$$
26.
$$\begin{bmatrix} 8 & -3 \\ -4 & -4 \end{bmatrix} + \begin{bmatrix} 5 & 5 \\ -4 \end{bmatrix}$$
[B]
$$\begin{bmatrix} 3 & -8 \\ 3 & -3 \end{bmatrix}$$
[C]
$$\begin{bmatrix} 3 & -8 \\ -11 & -5 \end{bmatrix}$$
[D]
$$\begin{bmatrix} 13 & 2 \\ 3 & -3 \end{bmatrix}$$

27.
$$\begin{bmatrix} 6 & 7 \\ -2 & -2 \end{bmatrix} + \begin{bmatrix} -2 & 6 \\ -2 & 3 \end{bmatrix}$$

[A]
$$\begin{bmatrix} 8 & 1 \\ -4 & 1 \end{bmatrix}$$
 [B]
$$\begin{bmatrix} 4 & 13 \\ 0 & -5 \end{bmatrix}$$
 [C]
$$\begin{bmatrix} 4 & 13 \\ -4 & 1 \end{bmatrix}$$
 [D]
$$\begin{bmatrix} 8 & 1 \\ 0 & -5 \end{bmatrix}$$

28.
$$\begin{bmatrix} -5 & -6 \\ -6 & -6 \end{bmatrix} + \begin{bmatrix} 6 & 7 \\ -6 & 2 \end{bmatrix}$$

[A]
$$\begin{bmatrix} 1 & 1 \\ 0 & -8 \end{bmatrix}$$
 [B]
$$\begin{bmatrix} -11 & -13 \\ 0 & -8 \end{bmatrix}$$
 [C]
$$\begin{bmatrix} -11 & -13 \\ -12 & -4 \end{bmatrix}$$
 [D]
$$\begin{bmatrix} 1 & 1 \\ -12 & -4 \end{bmatrix}$$

29.
$$\begin{bmatrix} 2 & 5 \\ -3 & -8 \end{bmatrix} + \begin{bmatrix} -7 & 2 \\ -6 & -3 \end{bmatrix}$$

[A]
$$\begin{bmatrix} -5 & 7 \\ 3 & -5 \end{bmatrix}$$
 [B]
$$\begin{bmatrix} 9 & 3 \\ 3 & -5 \end{bmatrix}$$
 [C]
$$\begin{bmatrix} 9 & 3 \\ -9 & -11 \end{bmatrix}$$
 [D]
$$\begin{bmatrix} -5 & 7 \\ -9 & -11 \end{bmatrix}$$

30.
$$\begin{bmatrix} 4 & -2 \\ -5 & 7 \end{bmatrix} + \begin{bmatrix} -6 & 3 \\ 3 & 4 \end{bmatrix}$$

[A]
$$\begin{bmatrix} 10 & -5 \\ -2 & 11 \end{bmatrix}$$
 [B]
$$\begin{bmatrix} 10 & -5 \\ -8 & 3 \end{bmatrix}$$
 [C]
$$\begin{bmatrix} -2 & 1 \\ -8 & 3 \end{bmatrix}$$
 [D]
$$\begin{bmatrix} -2 & 1 \\ -2 & 11 \end{bmatrix}$$