

Celebrity Birthdays – Systems of Equations

By David Pleacher

Solve each system below. Then follow the instructions to determine the birthdays of the celebrities. You must show your work!

1.

$$\text{Coco Gauff} + \text{Gerrit Cole} = 42$$

$$\text{Gerrit Cole} - \text{Coco Gauff} = 18$$

2.

$$5 \text{ Donald Trump} - \text{Jennifer Aniston} = 16$$

$$3 \text{ Jennifer Aniston} - 2 \text{ Donald Trump} = 30$$

3.

$$\text{Jennifer Aniston} = 7 \text{ John F. Kennedy} - 6$$

$$6 \text{ John F. Kennedy} + 2 \text{ Jennifer Aniston} = 88$$

4.

$$\text{Michelle Obama} = 7 \text{ Abraham Lincoln} - 2$$

$$19 \text{ Abraham Lincoln} - 3 \text{ Michelle Obama} = 2$$

5.

$$\text{[Male Face]} - 4 \text{ [Female Face]} = -14$$

$$\text{[Female Face]} + 5 \text{ [Male Face]} = 140$$

6.

$$2 \text{ [Female Face]} + 3 \text{ [Male Face]} = 107$$

$$9 \text{ [Female Face]} - 2 \text{ [Male Face]} = 1$$

7.

$$\text{[Male Face]} = \text{[Male Face]} - 7$$

$$18 \text{ [Male Face]} - 2 \text{ [Male Face]} = 2$$

8.

$$2 \text{ [Male Face]} - 9 \text{ [Male Face]} = 7$$

$$18 \text{ [Male Face]} - 4 \text{ [Male Face]} = -12$$

9.

$$17 \text{  - 2 \text{  = 3$$

$$5 \text{  - 39 \text{  = 3$$

10.

$$18 \text{  - \text{  = 1$$

$$9 \text{  + 3 \text{  = 60$$

Now discover the birthdays of these famous people.

1. LeBron James and Tiger Woods share their birthday with Rudyard Kipling and Suzy Bogguss:



= Month = _____



= Day = _____

2. Donald Trump and Steffi Graf share their birthday with Harriet Beecher Stowe:



= Month = _____



= Day = _____

3. John F. Kennedy and Melissa Etheridge share their birthday with Patrick Henry:



= Month = _____



= Day = _____

4. Abraham Lincoln shares his birthday with Judy Blume:



= Month = _____



= Day = _____

5. Hillary Clinton and Pat Sajak share the same birthday:



= Month = _____



= Day = _____

6. J.K. Rowling and Wesley Snipes share the same birthday:



= Month = _____



= Day = _____

7. Elvis Presley and Stephen Hawking share the same birthday:



= Month = _____



= Day = _____

8. Michael Phelps and Mike Tyson share the same birthday:



= Month = _____



= Day = _____

9. Peyton Manning and Harry Houdini share the same birthday:



= Month = _____



= Day = _____

10. Michelle Obama and Muhammad Ali share their birthday with James Earl Jones, Ben Franklin, and Dwayne Wade:



= Month = _____



= Day = _____