

Dear Jacqueline,

I hope you are well.

My name is Jack and I go to school in England. I wanted to write this letter to let you know that I have been reading about the amazing life you have had and all of your achievements. I am sure it has inspired lots of children around the world to do the same. I like how you discovered your passion for flying after just one flight with Raymond Guillaume. I can imagine how thrilling it must have been because after my first flight ( which was in a commercial plane) I felt like I was king of the world because I was so high up in the sky with clouds beneath me. Did you feel the same? You must have been so excited when you got your pilots license, I wonder how you felt during your first solo flight?

I am impressed with how many achievements you have gotten throughout your flying career, starting with learning to stunt fly and then perform as the only female pilot at an air show. It must have been exciting. After this, and your awful plane crash, with impressive determination, you achieved your military and commercial pilots licenses, did that inspire you to break the womens air speed record in 1951? I didn't know there was a separate air speed record. Not only did you break the one record, you then went on to beat your own record in 1952 and then you flew faster than speed of sound in 1953. What did it feel like when you went past the sound barrier?

I am interested to know of all the planes you flew, which was your favourite and why? My research shows that you liked to watch the De Havilland Vampire jet being built, which of course you went on to break the world air speed record in. Was this your favourite? It must have been fascinating to see how much machinery actually goes into a single plane and then get to fly it brand new. I think designers of these astounding aircraft are very clever, the engineers that build them too.

I was very interested to see that you were the first pilot of Concorde because I have been on one at the Manchester Airport museum. I thought the plane was small and narrow and a bit uncomfortable, but I did find the cockpit surprising with all the buttons and lights. I recall thinking to myself " how do pilots remember what all these buttons and levers do? They must have to do so much training and study". Did you find it challenging?

I am in awe of all your achievements and how you must have overcome so many challenges to have lived such a wonderful life.

Kind Regards

Challenge 1.

①

$$\begin{array}{r} 21 \overline{)1722} \\ \underline{-17} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 0 \phantom{0} \end{array}$$

1 x 21 = 21
2 x 21 = 42
3 x 21 = 63
4 x 21 = 84
5 x 21 = 105
6 x 21 = 126
7 x 21 = 147
8 x 21 = 168
9 x 21 = 189
10 x 21 = 210

②

$$\begin{array}{r} 14 \overline{)756} \\ \underline{-56} \phantom{0} \\ 196 \phantom{0} \\ \underline{-196} \phantom{0} \\ 0 \phantom{0} \end{array}$$

1 x 14 = 14
2 x 14 = 28
3 x 14 = 42
4 x 14 = 56
5 x 14 = 70
6 x 14 = 84
7 x 14 = 98
8 x 14 = 112
9 x 14 = 126
10 x 14 = 140

③

$$\begin{array}{r} 13 \overline{)507} \\ \underline{-39} \phantom{0} \\ 117 \phantom{0} \\ \underline{-117} \phantom{0} \\ 0 \phantom{0} \end{array}$$

1 x 13 = 13
2 x 13 = 26
3 x 13 = 39
4 x 13 = 52
5 x 13 = 65
6 x 13 = 78
7 x 13 = 91
8 x 13 = 104
9 x 13 = 117
10 x 13 = 130

④


$$\begin{array}{r} 23 \overline{)1725} \\ \underline{-17} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 0 \phantom{0} \end{array}$$

1 x 23 = 23
2 x 23 = 46
3 x 23 = 69
4 x 23 = 92
5 x 23 = 115
6 x 23 = 138
7 x 23 = 161
8 x 23 = 184
9 x 23 = 207
10 x 23 = 230

①

$$\begin{array}{r} 279 \\ 16 \overline{)4464} \\ \underline{-32} \phantom{0} \\ 126 \phantom{0} \\ \underline{-112} \phantom{0} \\ 144 \phantom{0} \\ \underline{-144} \phantom{0} \\ 000 \end{array}$$

③

$$\begin{array}{r} 236 \\ 31 \overline{)7316} \\ \underline{-62} \phantom{0} \\ 111 \phantom{0} \\ \underline{-93} \phantom{0} \\ 186 \phantom{0} \\ \underline{-186} \phantom{0} \\ 000 \end{array}$$


④

$$\begin{array}{r} 262 \\ 23 \overline{)6026} \\ \underline{-46} \phantom{0} \\ 142 \phantom{0} \\ \underline{-138} \phantom{0} \\ 46 \phantom{0} \\ \underline{-46} \phantom{0} \\ 00 \end{array}$$