

Number Reveal

An activity of "The 747 jumbo turns 50"

Today, air travel is commonplace. But, this was not always so. **"The 747 jumbo turns 50"** (page 14, *What's Up* February 2020) tells the fascinating story of how advances in aviation now allows millions of people to travel with ease. Read the article carefully to glean interesting facts.

Work in pairs. Using facts from the article, do your working on the reverse side of this page and answer the following.

1. The table below compares some details of a few aircraft. Estimate the missing details.

Aircraft	Unveiled in the Year	Maximum Economy Seats capacity	Total Fuel tank capacity (litre)	Range the aircraft can fly without refuelling (km)
Boeing 707		(i)	87,064	4,600
Boeing 747	(ii)	(iii)	183,380	(iv)
Boeing 747-400	(v)	416		(vi)
Airbus A380	(vii)	(viii)	323,590	15,700

2. Write the following numbers in standard form

- a. one hundred thousand Answer: _____ b. 101 million Answer: _____
c. 77.8 billion Answer: _____ d. 1.2 billion Answer: _____

3. Use the information in paragraph five of the article to calculate the distance of the moon from the earth, correct to one significant figure.

Answer: _____

4. The approximate aerial distance between London and Singapore is 10,880 km. Do you think there were non-stop commercial Singapore-London flights in 1965? Give your reason(s), stating assumptions if any are made.

Answer: _____

5. Estimate the maximum number of passengers who travelled by air in the year 1970. Give your answer in the standard form. Give your reason, stating assumptions if any are made.

Answer: _____