

St David's Day Maths Problems

Travelling

Saint David would travel around Wales teaching the people he met about Jesus and would also build monasteries. Monasteries are buildings where people live, work and worship God.



Journey	Distance One Way	Return Distance
Bangor to Aberdaron	42 miles	
Aberdaron to Porthmadog	29 miles	
Porthmadog to Bala	30 miles	
Bala to Ruthin	22 miles	
Ruthin to St Asaph	12 miles	
St Asaph to Wrexham	30 miles	
Wrexham to Machynlleth	63 miles	
Machynlleth to Aberystwyth	18 miles	
Aberystwyth to Carmarthen	46 miles	
Carmarthen to Cardiff	68 miles	
Cardiff to Llanelli	54 miles	
Llanelli to St Davids	61 miles	

1. What's the difference in miles between the shortest and the longest one way journey?

2. Find the longest one way journey. Calculate half this distance?

3. What is the distance from Cardiff to St Davids?

4. What is the distance from Machynlleth to Carmarthen?

5. When travelling from Ruthin to St Asaph, if Saint David had added 9 miles to his journey to visit a friend, how far would he have walked?

6. On the journey from Aberystwyth to Carmarthen, Saint David crosses through some fields and hills and cuts 9 miles from his journey. How far would he have walked?

Daffodils

Saint David told the soldiers that travelled with him that they should wear a daffodil on their clothing so that they could recognise one another as they fought against opposing soldiers.

Complete the tables to solve problems about daffodils.

1. If there are 6 petals on every daffodil, calculate how many petals will be on the following numbers of daffodils.



Number of Daffodils	Number of Petals
1	6
5	
3	
7	
10	
2	
8	
11	
4	
9	
6	
12	

2. How long are the daffodils if you lay them end to end? Each daffodil stem is 30cm long.

Number of Daffodils	Length when laid out end to end
1	30cm
2	
3	
4	
5	
6	
7	
8	
9	
10	

3. Some people arrange daffodils to celebrate St David's Day. Help the florist to prepare the daffodils to sell. He makes bunches of 6 flowers every time.

Number of Daffodils	Number of bunches of 6
12	
30	
48	
24	
42	
18	
60	
36	
54	
6	
66	
72	

Monastery Building

As Saint David arrived in new areas, he and his soldiers would sometimes build new monasteries. It's said 12 monasteries were built by him.

Complete the table to calculate how many rows of a monastery wall they could build. There are 10 stones in each row.



Number of rows in a wall	Number of stones needed
1	10
	70
	90
	100
	50
	120
	200
	400
	60
	240
	110
	330