



## Ferry Facts & Figures!

- ▶ Look at the data sheets provided and use the information to solve the questions!

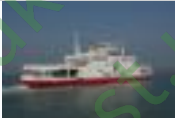


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Average speed: 12.5 knots (nautical miles per hour)  
Total number of sailings in a year: 12,000 Total number of passengers per year: 1,600,000

Total number of nautical miles in a year: 137,039

| Ferry Name                 | <br>Red Falcon | <br>Red Osprey | <br>Red Eagle |
|----------------------------|---|---|--|
| Year Built                 | 1994  | 1994  | 1996   |
| Last major refit           | 2015  | 2014  | 2005 (refitted & extended)   |
| Maximum cars carried       | 215   | 215   | 215  |
| Car decks                  | 3   | 3   | 3  |
| Maximum passengers carried | 895   | 895   | 895  |
| Sailings per year          | 4,000   | 4,000   | 4,000  |
| Distance per year          | 45,500 nautical miles   | 45,500 nautical miles   | 45,500 nautical miles  |

## Vehicle Ferry Analysis

1. Which is the newest vehicle ferry?

2. What is the difference between the age of Red Eagle and Red Falcon?

3. How old is Red Osprey?

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4. Which ferry has had the most recent refit?

5. Which ferry do you think will be next to have a refurbishment?

6. Choose your favourite ferry from the list. Now, using the Place Value Grid on the next page, write out each of the different numbers shown that are greater than 100.

7. Write a sentence comparing the number of cars each ferry holds.



**RED JET HIGH SPEED PASSENGER FERRIES DATA SHEET**

**Distance of one crossing:** 9.9 nautical miles

**Time of crossing:** 25 minutes

**Average speed:** 20.5 knots (nautical miles per hour)

|                    |   |   |   |
|--------------------|---|---|---|
| Ferry Name         |  |  |  |
|                    | Red Jet 3   | Red Jet 4   | Red Jet 5   |
| Year Built         | 1998  | 2005  | 2009  |
| Maximum passengers | 227   | 227   | 227 (seated)  |
| Average speed      | 38 knots (nautical miles per hour)  | 38 knots (nautical miles per hour)  | 35 knots (nautical miles per hour)  |
| Crossings a day    | 17  | 17  | 17  |

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**Red Jet Analysis**

1. How many passengers does Red Jet 3 carry?

2. Which Red Jet carries the most passengers?

3. How many fewer passengers does Red Jet 5 carry?

4. Write a sentence that compares the speeds of the 3 Red Jet ferries:

## More Questions For You!

1. Write down the names of ALL 6 ferries in order, oldest first:

## Now Over To You!

2. What other questions could you ask?

Can you make some mathematical comparisons between the different ferries?



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## Your Challenge!

Present a **wall chart** of statistics for your favourite ferry and compare it with the others.

- ✓ Include some **sentences of comparison**
- ✓ Can you include a **bar graph**?
- ✓ Include some of **your own calculations**
- ✓ You could draw a **timeline** of the history of the ferry



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Below are some pictures of the ferries you could cut out and use for your wallchart.

