KS3 Mathematics Statistics / Handling Data RED FUNNEL Interpreting Ferry Data

Triffic Travel Agency Needs You! Test your research and planning skills today!

Student Introduction

Education Destination

- This activity challenges you to research two different ferry booking scenarios using the internet.
- You will practise using websites to gather information about public transport and working out the best options.



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- » Sam is sixteen and lives in Southampton.
- » He needs to go to an interview in East Cowes on the Isle of Wight at 11am next Wednesday morning.
- » The interview is expected to finish by mid-day but he would like to stay on the island for a bite of lunch, however he needs to be back in Southampton by half past two.
- 1. Find suitable ferry times for Sam
- 2. Find out the cost of his ferry ticket
- 3. If you have time, find the alternative ferry option and decide whether this is a viable option.

Useful Facts

- ✓ The Red Funnel vehicle ferry leaves Southampton and goes to East Cowes.
- The Red Jet service goes from Southampton to (West) Cowes, which is just across the river from East Cowes via a "floating bridge" ferry which costs 40p single, 70p return.
- Red Jet tickets can be used on the vehicle ferry at no additional cost, but not the other way round.



Planning a trip to the Isle of Wight

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Working in groups you are now going to carry out a real-life task which will require you to use a number of mathematical skills to complete.

DESIGN A TABLE IN WHICH TO RECORD YOUR DATA CLEARLY.

TASK:

TASK

Imagine that you work for TRIFFIC TRAVEL in Bristol.

They want to promote excursions to the Isle of Wight from Bristol along with Red Funnel Ferries.

You will be working in a team but you have a deadline by which you must come up with your final package. Your teacher will



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- Start by using the Red Funnel website www.edudest.ukm not just about the ferries, but about travel connections, accommodation options etc.
- ✓ You will need to research travel information, times and costs as well as planning the overnight accommodation for 2 nights.
- ✓ Work out total costs for all choices and then come up with a customer price that gives Triffic Travel an overall profit of 10%. The customer price cannot exceed £600.

You must offer a travel choice of **at least two** of the following:

- Coach
- Rail
- Car (cost this at 45p per mile)
- Taxi.

Choose the best value for money accommodation option for the family.

For each travel choice you will need to note:

- Time to leave Bristol and check in at the ferry terminal
- Times of the Red Funnel ferry crossings
- Overall journey time to the Isle of Wight
- Overall journey time back to Bristol
- Cost of the journey to and from the island
- Cost of accommodation for 2 nights
- Overall cost of the trip
- The customer price which includes the 10% profit
- margin.

Checklist for each option:

- Do they need a vehicle ferry or a passenger-only ferry?
- Have you remembered there are 2 adults and 2 children?
- Have you allowed for change-over times and check-in times?
- If you have chosen coach or rail, have you considered how the family will get from the station to the ferry?

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EXTENSION TASKS

Only complete these if your teacher tells you to.

What happens now your family are on the Isle of Wight?

For the non-car options, your family will need to make their way from the ferry terminal once they arrive on the island to their accommodation.

Research various options for how they might achieve this. The island's railway line does not run to Cowes or East Cowes (where the ferries arrive) so your options are:

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- Bus
- Car Hire.

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the family Curriculum relevant materials supporting school trips to the Isle of Wight Book today with Education Destination and get full access to **this** and **hundreds more** quality resources isle of Wight taxi fares are regulated by the local authority. To see the current taxi price list, see the link

www.edudest.uk

The island's bus network is operated by Southern Vectis. To see the timetable and prices, including special passes for visitors, see the link below.

There are lots of car hire companies on the island. Use Google to find an appropriate quote.



Now that your family are settled in their accommodation, let's assume they want to visit some of the Isle of Wight's famous visitor attractions. Remember there are two adults and two children.

Choose **TWO** from the following list of attractions for them to visit and work out the total cost **including return public transport** to and from their accommodation. Most venues will offer a family discount ticket.

Isle of Wight Steam Railway	Dinosaur Isle
Blackgang Chine	Robin Hill Country Park
Carisbrooke Castle	Osborne
Isle of Wight Donkey Sanctuary	Monkey Haven
The Model Village, Godshill	Goodleaf Tree Climbing

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