

EXAM PAPER REVIEW



Jayne Brown / Year 9 / Maths

JAYNE BROWN- MARKED EXAM PAPER REPORT

- Q1.** Jayne needs to be careful in reading scales on graphs as she lost marks due to misreading. She also made a few mistakes with national grid and energy sources.
- Q2.** Jayne has a good understanding of energy and forces, and she selected the right formulas. However, she didn't correctly substitute the right numbers into the equation, so got the answer wrong. She needs to be careful in applying formulas to get full marks.
- Q3.** Jayne did very well with using formulas and calculating electricity questions. However, she needs to read the question, as she lost marks with significant figures.
- Q4.** Jayne struggled with the question on a Scientific experiment. She wasn't correct with either describing the equipment or the types of error. However, she did read the graph correctly and was able to answer the mathematical question correctly. She wasn't able to identify why the hot liquid continued to cool, however.
- Q5.** Jayne made a mistake in drawing the circuit diagram- voltmeters need to be placed in parallel, not series. She also didn't provide enough detail in her description of an experimental method, and only gained 1 out of 4 available marks. Jayne also needs to learn the voltage/current graphs for different components.
- Q6.** Jayne needs to remember that electrons are transferred in static electricity, not protons. She also needs to convert kV into volts when using equations.
- Q7.** Jayne mixed up the particles for alpha and beta radiation, but correctly identified the penetration of each type of radiation. She also got full marks on the safety question, but needs to revise calculating half lives.
- Q8.** Jayne needs to read the question carefully, as she missed critical information on this question.
- Q9.** Jayne struggled with remembering the correct formula for density, mass and volume, and selected the wrong unit for density.
- Q10.** Jayne unfortunately lost a lot of marks on this long answer question. She didn't write about the alpha scattering experiment, but instead wrote a more general answer which didn't credit many marks.
- Q11.** Jayne did well on this question, but needs to revise the National Grid.
- Q12.** Jayne forgot to convert minutes into seconds, losing marks on the calculation question. She also misremembered the formula for power.
- Q13.** Jayne did well with the question on investigating the efficiency of a motor.

Score: 45/ 100 (45%)

Grade: Level 3/4

OVERALL COMMENTS AND RECOMMENDATIONS

Identified Topics For Revision:

- National Grid
- Learning equations
- Alpha scattering experiment
- Experimental technique
- Static electricity
- Radiation half lives

Exam Techniques

- Read the question fully before answering
- Check for significant figures/ decimal places
- Read scales carefully
- Check tick-box questions for the number of boxes required