N4 RELATIONSHIPS 1.4

This resource is to support pupils in passing the appropriate National 4 Assessment Standard. The questions and marking schemes used are from SQA past papers and as such test the topics in their entirety from grade A to C and *may* include other areas from the course. In addition the questions from **Paper 1** (P1) should be completed **without** the use of a calculator and questions from **Paper 2** (P2) permit the use of a calculator.

Each Assessment Standard is used to ensure pupils have the minimum competency on the specified sub-skills for the National 4 course. As such each Assessment Standard will test grade C work on that specific topic.

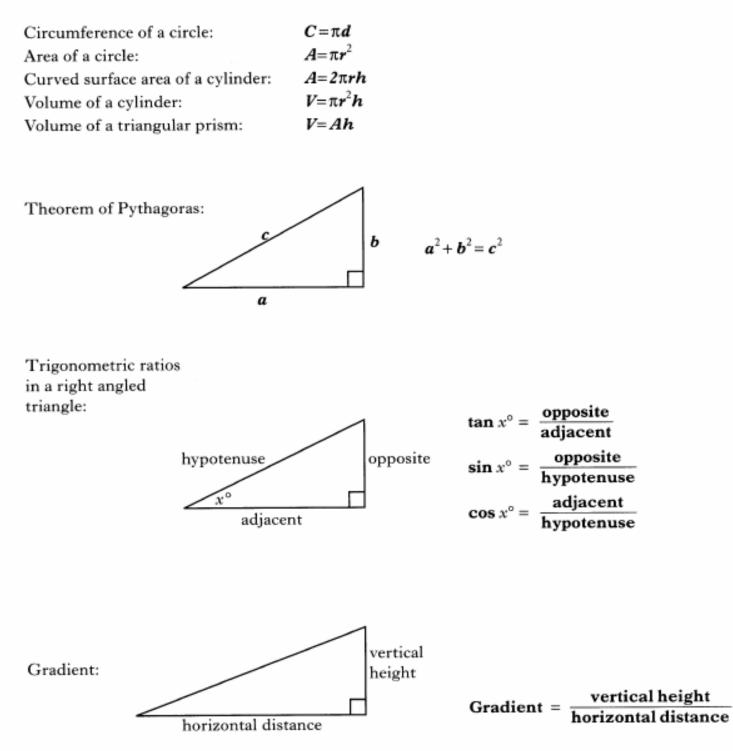
This resource is divided into two sections:

- Section A has an example on each sub skill for the relevant Assessment Standard and the marking scheme for these questions
- Section B has extra practice questions on this Assessment Standard and the marking scheme for these questions

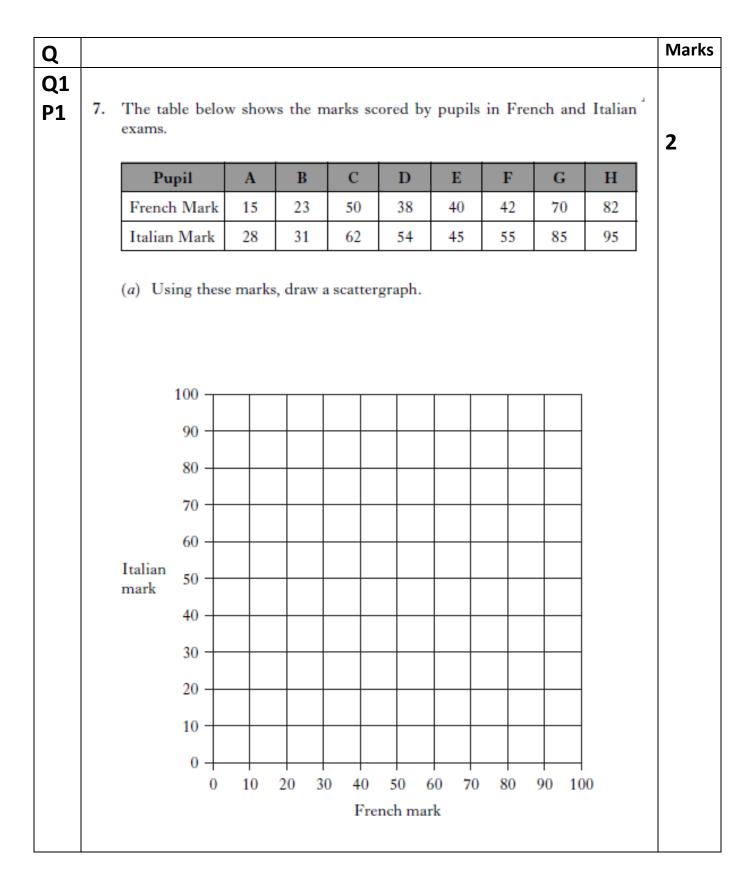
| Unit Assessment Standard | Sub skills | Section A – Question Number |
|--|--|--------------------------------|
| Relationships 1.4 Applying statistical skills to representing data | The sub-skills are: constructing a scatter graph drawing and applying a best- fitting straight line | Q1 Q2 |

N4 - REL 1.4 - Remediation

FORMULAE LIST



Section A



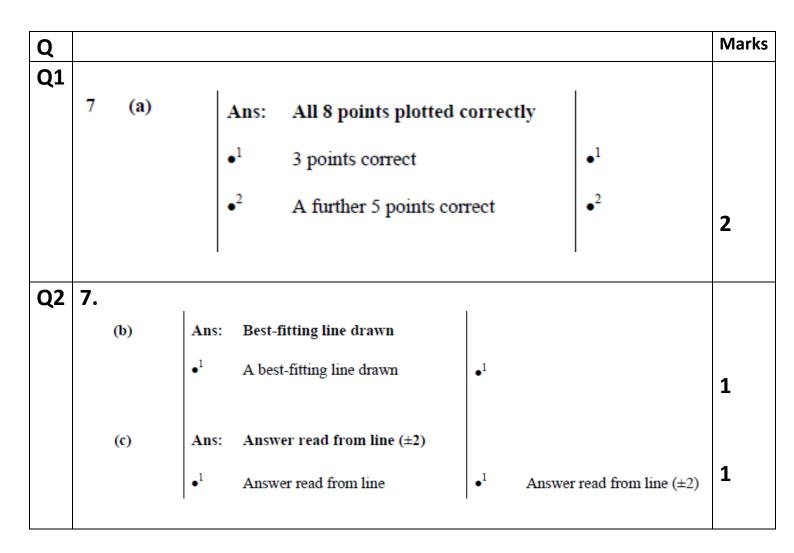
| Q2 P1 | Using your Scatter Graph from Q1 | |
|----------|---|---|
| | (b) Draw a best-fitting line on the graph. | 1 |
| | 7. (continued) | |
| | (c) A pupil who scored 65 in his French exam was absent from the Italian exam. | 1 |
| | Use your best-fitting line to estimate this pupil's Italian mark. | |
| | | |

N4 - REL 1.4 - Remediation



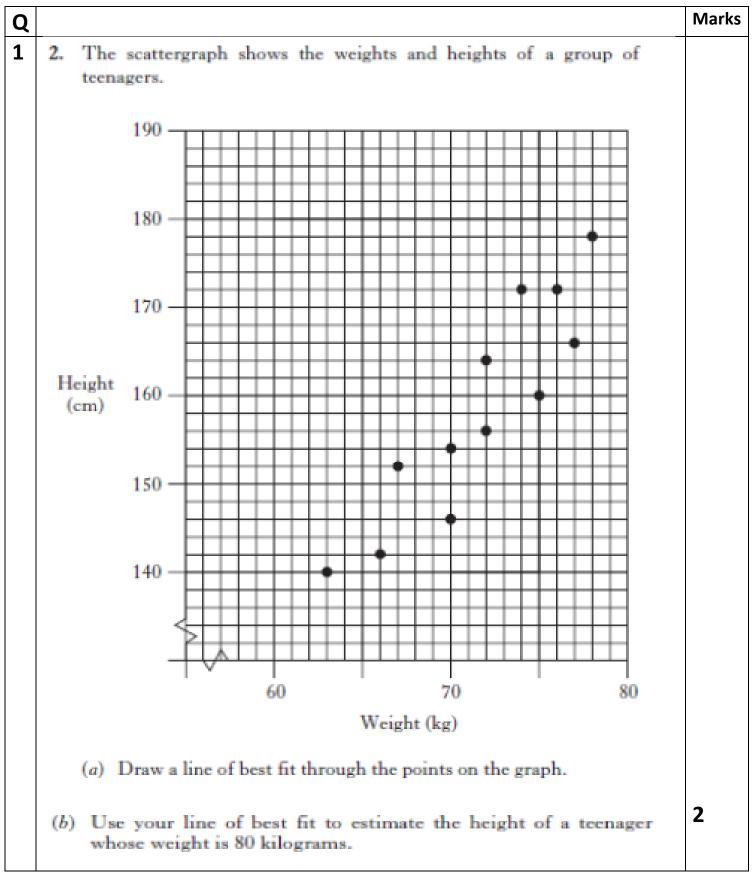
MARKING SCHEME

Section A - Marking Scheme



Section B

<u>Section B – Paper 1 – Questions</u>



Section B – Paper 2 – No Questions

Section B

MARKING SCHEME

Section B – Paper 1 – Marking Scheme

| Q | | | | Marks |
|---|---|---|---|-------|
| 1 | _ | | | |
| | 2 | a | Ans: line of best fit drawn 1 | |
| | | | • ¹ draw line of best fit 1. Accept straight lines with $1 \le \text{gradient} \le 2$ and $ (\text{points above line}) - (\text{points below line}) \le 2$ | 1 |
| | 2 | b | Ans: consistent with line of best fit 1 • ¹ consistent with line of best fit 1. You may have to extend candidate's line to check answer | 1 |

Section B – Paper 2 – No Marking Scheme