

INDEPENDENT PRACTICE MATERIAL

Assessment schedule

US 32406 | Accompanies the independent practice assessment

This schedule supports item-by-item checking. **It contains no total, percentage, cut score or pass mark.** NZQA sets a cut score separately for each live assessment after item-level analysis; no such decision transfers to this paper.

How to apply the schedule

For constrained-response items, compare the response with the stated accepted evidence. For Outcome 3 items, judge whether the response contains the required conclusion, relevant evidence and a correct connection between them. The sample answer is not the only acceptable wording.

Where an Outcome 3 decision permits more than one position, the schedule states the minimum reasoning required for each defensible position. Ignore irrelevant material unless it contradicts the argument.

For values read from unlabelled graphs, use the item-specific tolerance stated in the evidence and decision columns. Exact plotted values are not required when a reasonable reading supports the correct conclusion.

Outcome coverage

Outcome 1	1(a), 1(b), 1(f), 2(b), 2(d), 3(b), 3(e), 4(b), 4(c), 5(b), 5(e), 5(f), 5(g)
Outcome 2	1(c), 1(d), 2(a), 2(e), 3(a), 3(c), 3(g), 4(a), 4(d), 4(f), 4(g), 5(a), 5(c)
Outcome 3	1(e), 1(g), 2(c), 2(f), 3(d), 3(f), 4(e), 5(d)

QUESTION 1

Community library

Item	Outcome	Mode	Expected evidence	Marking decision
1(a)	O1	Constrained	95 minutes.	Accept 95. The unit is not required because it is supplied with the response box.
1(b)	O1	Constrained	12 cushions.	Accept 12. A 4 by 3 grid fits. Dividing the floor area by one cushion's area gives about 15.3 and is not valid because circles leave gaps. The densest regular offset construction has three rows of 4, 3 and 4 cushions, so it fits only 11.
1(c)	O2	Constrained	54 m ² .	Accept 54. The real dimensions are 9 m by 6 m.
1(d)	O2	Constrained	11.76 kg.	Accept 11.76.
1(e)	O3	Human judgement	A position and at least three reasonable month-visit pairs, including a correctly identified fall, connected to the claim. Readings within 50 visits of a plotted value are acceptable.	Award evidence when the response takes a clear position, uses at least three month-value pairs within 50 visits of the plotted values, and correctly identifies a fall from February to March or from April to May. Exact readings are not required. Accept one minor reading error only when the remaining evidence still supports the conclusion.
1(f)	O1	Constrained	Select 'Multiply the number of shelves by 28'.	Accept only the second option.
1(g)	O3	Human judgement	A 'no' position, an estimated total of 20.64 kg, and a comparison with the 20 kg limit.	Award evidence when a correct or clearly inferred multiplication is connected to the trolley limit. A correct comparison using equivalent rounding is acceptable.

QUESTION 2

Weekend market

Item	Outcome	Mode	Expected evidence	Marking decision
2(a)	O2	Constrained	\$13.30.	Accept 13.3 or 13.30.
2(b)	O1	Constrained	4.5 cups.	Accept 4.5 or an equivalent decimal form.
2(c)	O3	Human judgement	A position and a correct comparison using a common mass or equivalent unit rates.	Award evidence for a clear value comparison based on equivalent amounts. For example, accept \$1.75 versus \$1.65 per 100 g, or \$14.70 for three small jars versus \$13.86 for two large jars at 840 g.
2(d)	O1	Constrained	9.2 m ² .	Accept 9.2 or 9.20. The stall area is 8 m ² and 115% of this is 9.2 m ² .
2(e)	O2	Constrained	30%.	Accept 30. There are 6 green tokens out of 20 tokens.
2(f)	O3	Human judgement	A 'no' position and a correct explanation that a 180° rotation changes both the arrow direction and the dot from above to below.	Award evidence when the response correctly tracks both features. Equivalent transformation language is acceptable.

QUESTION 3

Household water

Item	Outcome	Mode	Expected evidence	Marking decision
3(a)	O2	Constrained	900 litres.	Accept 900. The volume is 0.9 m ³ , which is 900 litres.
3(b)	O1	Constrained	180 litres.	Accept 180.
3(c)	O2	Constrained	33%.	Accept 33. The reduction is 3 out of the original 9 litres, or 33.3...%.

Item	Outcome	Mode	Expected evidence	Marking decision
3(d)	O3	Human judgement	A 'no' position and a reasonable counterexample comparing March with January or February. Readings within 10 mm of a plotted value are acceptable.	Award evidence when the response uses chart readings within 10 mm of the plotted values to disprove the word 'every'. One valid March-to-January or March-to-February counterexample is sufficient. Accept one minor reading error only when another valid comparison still supports the conclusion.
3(e)	O1	Constrained	450 litres.	Accept 450.
3(f)	O3	Human judgement	A 'no' position, a required amount of 770 litres, and a comparison with 750 litres.	Award evidence when a correct or clearly inferred calculation is connected to the sufficiency decision.
3(g)	O2	Constrained	1,600 litres.	Accept 1600, 1,600 or 1 600. The gauge reads 3,400 litres; accept a reading of 3,400 followed by a correct subtraction. Do not accept 3,400 alone.

QUESTION 4

Coastal walk

Item	Outcome	Mode	Expected evidence	Marking decision
4(a)	O2	Constrained	Select C.	Accept only C.
4(b)	O1	Constrained	10.8 km.	Accept 10.8 or 10.80.
4(c)	O1	Constrained	144 minutes.	Accept 144. The time is 2.4 hours, which is 144 minutes.
4(d)	O2	Constrained	Select North-east.	Accept only North-east.
4(e)	O3	Human judgement	A position, conversion of 3 in 10 to 30% or 0.3, comparison with 35%, and a conclusion connected to the word 'about'.	Accept agree, disagree or uncertain when supported by a correct equivalent-form comparison and a coherent interpretation of 'about'.
4(f)	O2	Constrained	12:24 pm.	Accept 12:24 pm, 12.24 pm or 1224. The 24-hour form 12:24 is also acceptable.

Item	Outcome	Mode	Expected evidence	Marking decision
4(g)	O2	Constrained	An estimate from 11,500 to 12,500 years.	Accept any value from 11,500 to 12,500 years. In the finished drawing, the marker centres are 3.0 scale metres apart. This is 300 centimetres, and $300 \times 40 = 12,000$ years. The band allows for measuring the printed or on-screen scale drawing.

QUESTION 5

Beach clean-up

Item	Outcome	Mode	Expected evidence	Marking decision
5(a)	O2	Constrained	72 items.	Accept 72.
5(b)	O1	Constrained	Select 'The most common mass is 1.6 kg'.	Accept only the third option.
5(c)	O2	Constrained	18,800 g.	Accept 18800, 18,800 or 18 800.
5(d)	O3	Human judgement	A 'yes' position, reasonable readings for the plastic and metal bars, and a combined result correctly compared with 90 items or 50%. Readings within 5 items of each plotted value are acceptable.	Award evidence when plastic and metal readings within 5 items of the plotted values are combined and the result is correctly compared with half of 180. Exact use of $72 + 36 = 108$ is not required. Equivalent percentage reasoning is acceptable; accept one minor calculation error only when the comparison and conclusion remain valid.
5(e)	O1	Constrained	20%.	Accept 20.
5(f)	O1	Constrained	Select A.	Accept only A.
5(g)	O1	Constrained	An estimate from 85 to 125 cm.	Accept any value from 85 to 125 cm. The item tests estimation using the 30 cm bucket as a referent; a value inside the band needs no working.

Use these decisions diagnostically and item by item. Do not combine them into an overall result or claim equivalence with an NZQA grade.