Ngā Tau B — Number Items B

Approach: Independent
Focus: Understanding number and calculating.
Resources: None.

Questions/instructions:

		% responses GEd	% responses MI
Subtract one hundred			
Tangohia kotahi rau			
1. 400	300	88	96
2. 643	543	87	89
3. 40 000	39,900	34	18
Divide by one hundred			
Whakawehe te kotahi rau			
4. 1200	12	53	33
5. 50	0.5	22	7
6. 3.6	0.036	16	4

7. When a 3 digit number is added to a 3 digit number the answer is
Ki te tāpirihia te mati tau 3 ki tētahi atu mati tau 3, ko te otinga

A always a 3 digit number.
he mati tau 3 i ngā wā katoa

B always a 4 digit number.
he mati tau 4 i ngā wā katoa.

C either a 3 or 4 digit number.
he mati tau 3, he mati tau 4 rānei — C — 43 — 13

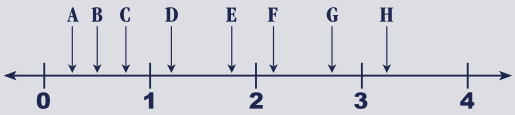
D either a 3, 4 or 5 digit number.
he mati tau 3, he mati tau 4, he mati tau 5 rānei

8. Which number best describes the amount of the box shaded?
Ko tēhea te tau tino pai hei whakaatu i te wāhi kauruku o te pouaka?

A 0.05
B 0.25
C 0.45 — C — 41 — 20
D 0.6
E 0.65

9. A school has 410 children.
97 children are away at camp.
About how many are still at school?
E 410 ngā tamariki kei tētahi kura.
Kei te hopuni [camp] e 97 tamariki.
E hia pea kei te kura tonu?

A 200
B 300 — B — 87 — 64
C 400
D 500



10. On the number line, which letter best represents A × G?
I te rārangi tau, ko tēhea te pū pai rawa nā te tata ki A x G — C — 2 — 11

11. On the number line, which letter best represents B + F?
I te rārangi tau, ko tēhea te pū pai rawa nā te tata ki B + F? — G — 8 — 4

12. Which fraction matches the letter **X** on the number line?
Ko tēhea te hautau e hāngai ana ki te reta **X** i runga i te rārangi tau?

A $\frac{1}{2}$
B $\frac{1}{3}$
C $\frac{1}{7}$
D $\frac{1}{5}$ — D — 30 — 20

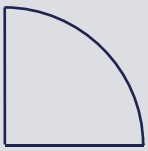
		% responses GEd	MI
$\frac{3}{4}$ is a fraction between $\frac{1}{2}$ and 1. Write two other fractions that would be between $\frac{1}{2}$ and 1. Ko te hautau $\frac{3}{4}$, kei waenganui i te $\frac{1}{2}$ me te 1. Tuhia kia rua hautau anō kei waenganui i te $\frac{1}{2}$ me te 1.			
13.	correct	27	20
14.	other correct	24	24

15. Without working out the exact answer, choose the best estimate for 87 × 0.09.
Whakatautata te 87 x 0.09.
Kaua e mahi tūturu.

		GEd	MI
A a lot less than 87 nui rawa te itinga iho i te 87	A	27	16
B a little less than 87 iti iho i te 87			
C a little more than 87 nui ake i te 87	✗ C	[44]	[38]
D a lot more than 87 nui rawa ake i te 87			

16. Which part of the circle is missing?
Ko tēhea te wāhanga o te porohita e ngaro ana?

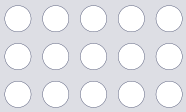
A $\frac{1}{4}$
B $\frac{1}{3}$
C $\frac{3}{4}$
D $\frac{2}{3}$



C 67 47

17. A class has 25 pupils. $\frac{1}{5}$ come by bus, $\frac{2}{5}$ come by bike.
How many do not come by bus or bike?
E 25 ngā ākonga i tētahi karaehe.
Ka tae $\frac{1}{5}$ mā runga pahi, ka tae $\frac{2}{5}$ eke paihikara. E hia ngā ākonga kore e tae mā runga pahi, eke pahikara rānei?

A 5
B 10 — B 56 36
C 15
D 20



18. Write a multiplication sentence to find the number of circles.
Tuhia he rerenga whakarau kia mōhio ai e hia ngā porohita.

$3 \times 5 = 15$ *or* $5 \times 3 = 15$ — 47 47

19. Bob has 123 stamps to put in his album. If 25 stamps fit on each page, how many pages will he need?
Kei a Bob 123 o ngā pane kuini, hei tāpiri atu ki roto i tāna pukapuka.
Mehemea, ka noho pai e 25 ngā pane kuini i ia whārangi, e hia whārangi ka hiahiatia e ia?

A 4
B 5 — B 53 40
C 6
D 7

To cook a meal for 10 people I need:	Ki te tunu kai mā ngā tāngata e 10:
2 chickens	2 ngā heihei
10 kumara	10 ngā kūmara
30 yams	30 ngā yams
1000g peas	1000g karāma pī

I want to cook a meal for 5 people.
Fill in the amounts of food I need.
Kei te pīrangi ahau ki te tunu kai mā ngā tāngata e 5.
E hia te rahi o ngā kai ka hiahiatia?

			GEd	MI
20.	1	chickens / ngā heihei	79	67
21.	5	kumara / ngā kūmara	82	69
22.	15	yams / ngā yams	74	58
23.	500(g)	peas / ngā karāma pī	66	38

Commentary

The results achieved by Māori students in general education (GEd) settings and students in Māori immersion (MI) settings were not statistically significantly different. Inapprioriate wording in Māori for questions 4–6 make comparisons on those questions unwise.