

The cover features a dark maroon background with faint, large-scale circular patterns. On the left, there is a vertical strip with intricate Māori koru patterns in white, green, and yellow. At the bottom, a red border contains a repeating geometric pattern of triangles.

Te Reo Pāngarau

NGĀ TAU NUMBERS	
2	E rua
23	E rua tekau mā toru
234	E rua rau, e toru tekau mā whā
2345	E rua mano, e toru rau, e whā tekau mā rima
$2 + 3 = 5$	Tāpirihia te toru ki te rua, ka rima. E rua, tāpirihia te toru, ka rima.
$7 - 4 = 3$	Tangohia te whā i te whitu, ka toru. E whitu, tangohia te whā, ka toru.
$2 \times 5 = 10$	Whakareatia te rima ki te rua, ka tekau. E rua, whakareatia ki te rima, ka tekau.
$9 \div 3 = 3$	Whakawehea te iwa ki te toru, ka toru. E iwa, whakawehea te toru, ka toru.
$-4 + 2 = -2$	Tāpirihia te rua ki te whā tōraro, ka rua tōraro. E whā tōraro, tāpirihia te rua, ka rua tōraro.
$-4 - 2 = -6$	Tangohia te rua i te whā tōraro, ka ono tōraro. E whā tōraro, tangohia te rua, ka ono tōraro.
$-4 \times 2 = -8$	Whakareatia te rua ki te whā tōraro, ka waru tōraro. E whā tōraro, whakareatia ki te rua, ka waru tōraro.
$-4 \div 2 = -2$	Whakawehea te whā tōraro ki te rua, ka rua tōraro. E whā tōraro, whakawehea te rua, ka rua tōraro.
$\frac{1}{4}$ of 7 = $1\frac{3}{4}$	Ko te hauwhā o te whitu, he ōrite ki te kotahi me te toru hauwhā.
Three is smaller than four.	He iti iho te toru i te whā.
Three is much smaller than thirty.	He tino iti iho te toru i te toru tekau.
Four is bigger than three.	He nui ake te whā i te toru.
Three is different to four.	He rerekē te whā i te toru.
Seven is three bigger than four.	E toru te rahinga ake o te whitu i te whā.
Four is three smaller than seven.	E toru te itinga iho o te whā i te whitu.
Eight is two times bigger than four.	E rua te whakareatanga ake o te waru i te whā.
There are three tens, and two ones.	E toru ngā tekau, e rua ngā tahi.
Why is it 43?	He aha i whā tekau mā toru ai?
There are four groups of eight.	E whā ngā rōpū o te waru.

Write all whole numbers between three and eight.	Tuhia ngā tauoti kei waenganui i te toru me te waru.
How many ones are there in 17?	E hia ngā tahi i roto i te tekau mā whitu?
How many tens are there in 17?	E hia ngā tekau i roto i te tekau mā whitu?
What is the frequency of the number three?	Ko te aha te auau o te nama toru.
Which one is the biggest/smallest?	Ko tēhea te mea nui/iti katoa?
Take away the biggest number.	Tangohia te tau nui katoa.
What number comes before 13?	Ko te aha te tau i mua i te 13?
What number comes after 13?	Ko te aha te tau i muri i te 13?
NGĀ HAUTAU FRACTIONS	
What is $\frac{1}{2}$ of 6?	Ko te aha te haurua o te ono?
$\frac{1}{2} \times 6 = 3$	Ko te haurua o te ono, ko te toru.
What is $\frac{1}{4}$ of 8?	Ko te aha te hauwhā o te waru?
$\frac{1}{4} \times 8 = 2$	Ko te hauwhā o te waru, ko te rua.
What is $\frac{1}{4}$ of 12?	Ko te aha te toru hauwhā o te tekau mā rua?
$\frac{1}{4} \times 12 = 9$	Ko te toru hauwhā o te tekau mā rua, ko te iwa.
Find $\frac{1}{4}$ of eight.	Kimihia te hauwhā o te waru.
$\frac{2}{4} = \frac{4}{8}$	He ōrite te rua hauwhā ki te whā hauwaru.
Which is bigger, $\frac{1}{2}$ or $\frac{3}{4}$?	Ko tēhea te mea nui ake, ko te haurua, ko te toru hauwhā rānei?
Compare these two fractions.	Whakatairitea ēnei hautau e rua.
How do we know that those fractions are thirds?	He aha tātou i mōhio ai he hautoru ērā hautau?
How many divisions are there?	E hia ngā wehenga?
What is the symbol for a third?	Ko te aha te tohu mō te hautoru?
Write this using maths symbols.	Tuhia tēnei hei reo tohu pāngarau.
Distribute the coins so that there are equal amounts in each circle.	Tohaina ngā kapa kia ōrite te nui i tēnā porowhita, i tēnā porowhita.
There are two coins left over.	E rua ngā kapa e toe ana.
Put these fractions in order from smallest to largest.	Raupapatia ēnei hautau mai i te mea iti katoa ki te mea nui katoa.
NGĀ PŪ POWERS	
What is four to the power of two?	Ko te aha te pūrua o te whā?
$4^2 = 16$	Ko te pūrua o te whā, ko te tekau mā ono. Ko te tekau mā ono te pūrua o te whā.

What is two to the power of four?	Ko te aha te pūwhā o te rua?
$2^4 = 16$	Ko te pūwhā o te rua, ko te tekau mā ono. Ko te tekau mā ono te pūwhā o te rua.
What is three to the power of four?	Ko te aha te pūwhā o te toru?
$3^4 = 81$	Ko te pūwhā o te toru, ko te waru tekau mā tahi. Ko te waru tekau mā tahi te pūwhā o te toru.
NGĀ ŌRAU PERCENTAGES	
What is 5% of 200?	Ko te aha te rima ōrau o te rua rau?
5% of 200 = 10	Ko te rima ōrau o te rua rau, ko te tekau.
What is 20% of 50?	Ko te aha te rua tekau ōrau o te rima tekau?
20% of 50 = 10	Ko te rua tekau ōrau o te rima, ko te tekau.
What is 50% of 20?	Ko te aha te rima tekau ōrau o te rua tekau?
50% of 20 = 10	Ko te rima tekau ōrau o te rua tekau, ko te tekau.
TE TAURANGI ALGEBRA	
The sum of a number and 8 is 20. [$x + 8 = 20$]	Ko te tapeke o te waru me tētahi atu nama, ko te rua tekau.
The difference of 16 and (k) is seven. [$16 - k = 7$]	Ko te rerekētanga o te tekau mā ono me te (k), ko te whitu.
How many times bigger is x than k ?	E hia ngā whakareatanga ake o te x i te k ?
Indicate where the intercept is on the graph.	Tohua te haukoti i te kauwhata.
How many lines are there in a square?	E hia nei ngā rārangi i te tapawhā?

NGĀ PĀTAI | QUESTIONING

Why?	He aha ai?
How do you know?	He aha koe i mōhio ai?
What did you do?	I aha koe?
How did you solve the problem?	I pēhea tō whakaoti i te rapanga?
Where should you start?	Me tīmata koe ki hea?
Is your answer correct?	Kei te tika rānei tō whakautu?
What are you seeing?	He aha tāu e kite nei?
What did you learn?	He aha tāu i ako nā?

TE INE ME TE ĀHUAHANGA | MEASUREMENT AND GEOMETRY

TE WĀ | TIME

2pm	Ko te rua karaka.
2.15pm	Ko te hauwhā i te rua karaka.
2.20pm	Ko te rua tekau meneti pāhi i te rua karaka.
2.30pm	Ko te haurua i te rua karaka.
2.45pm	Ko te hauwhā ki te toru karaka.
2.50pm	Ko te tekau meneti ki te toru karaka.
There are 60 seconds in a minute.	E ono tekau ngā hākona i te meneti kotahi.
There are 24 hours in a day.	E rua tekau mā whā ngā haora i te rā.
There are seven days in a week.	E whitu ngā rā i te wiki.
Two dollars an hour.	E rua tāra i te haora.

TE AHUNGA | DIRECTION

Find 41° latitude.	Kimihia te ahopae 41°.
Indicate 174° longitude.	Tohua te ahopou 174°.
Find New Zealand's latitude.	Kimihia te ahopae o Aotearoa.
New Zealand sits at 41° latitude and 174° longitude.	Kei te ahopae 41° me te ahopou 174° a Aotearoa.
Head north and then turn east.	Ahu atu ki te raki, ka huri whakaterāwhiti ai.

TE ĀHUAHANGA | GEOMETRY

Look at this diagram.	Titiro ki tēnei hoahoa.
Draw a circle.	Tāngia he porowhita.
This is a small circle.	He porowhita iti tēnei.
This is a big circle.	He porowhita nui tēnei.
This is a right angle.	He koki hāngai tēnei.
This angle is bigger than a right angle.	He nui ake tēnei koki i te koki hāngai.
Indicate the vertex of the angle.	Tohua te akitu o te koki.
Indicate where three is on the scale.	Tohua te toru i te āwhata.
Find the right angle.	Kimihia te koki hāngai.

Draw the symmetrical line on the circle.	Tuhia te rārangi hangarite ki te porohita.
How many dimensions does a triangle have?	E hia ngā ahunga o te tapatoru?
How many sides does a square have?	E hia ngā tapa (o te tapawhā)?
The circle is bigger than the square.	He nui ake te porowhita i te tapawhā.
The square is smaller than the circle.	He iti iho te tapawhā i te porowhita.
The circle is much bigger than the square.	He tino nui ake te porowhita i te tapawhā.
The circle is slightly bigger than the square.	He āhua nui ake te porowhita i te tapawhā.

TE INE | MEASUREMENT

\$0.97	E iwa tekau mā whitu hēneti.
\$1	Kotahi tāra.
\$1.97	Kotahi tāra, e iwa tekau mā whitu hēneti.
\$21	E rua tekau mā tahi tāra.
\$21.97	E rua tekau mā tahi tāra, e iwa tekau mā whitu hēneti.
Mere is 5cm taller than Tame.	E rima henemita te tāroaroa ake o Mere i a Tame.
Tame is 5cm shorter than Mere.	E rima henemita te poto iho o Tame i a Mere.
The apple is heavier than the orange.	He taumaha ake te āporo i te ārani.
Who got the most points?	I a wai te tapeke nui katoa?
Mere got the most points.	I a Mere te tapeke nui katoa.
Who received the most letters?	I riro i a wai ngā reta maha katoa?

TE TAUANGA | STATISTICS

There is a good chance it will rain.	He nui te tūponotanga ka ua.
There is no chance it will rain.	Kāore he tūponotanga ka ua.
Which is the bigger sample size?	Ko tēhea te tīpako nui ake?
Six occurred more times than four.	He auau ake te puta mai o te ono i te whā.
What is the probability of ...?	He aha te tūponotanga o ...?