

Numeracy

2024 Q2 Numeracy

Today's date:

Given name:

Family name:

Organisation:

Course:

Gender:

Female

Male

Diverse

Date of birth:

Is English your first language?

Yes

No

If No, what is your first language?

What ethnic group(s) do you belong to?

(For example, New Zealand European, Māori, Samoan, Tongan.)

Learner Identification (optional)

NSN:

SMS ID:

Instructions

This is an assessment of how well you understand numeracy problems.

The practice questions below help you to understand different sorts of numeracy questions. When you have finished the practice questions please turn the page and begin the assessment. You may need to wait for your tutor to tell you when to begin.

You need to choose the answer you think is best for each question. It is a good idea to read parts of the text again before choosing each answer.

Answer every question, even if you are not quite sure of the answer. If you change your mind about an answer, rub out the answer you chose and shade in your new answer. The questions are likely to get harder as you go through the book.

There is no time limit for the assessment. You will be given about 15 questions to answer.

Practice Unit



1 How many cakes are in the cake tray?

- A 10
- B 11
- C 12
- D 13



2 How many trays do you need to bake **24** cakes at the same time?

_____ trays



3 You have 3 of these trays. How many cakes could you bake altogether?

_____ cakes

Show your calculations below.

12

15

14

13

11



4 Write these five numbers in order from **smallest** to **largest**.

Smallest _____ **Largest**



5 Are the numbers below larger than 20?

Circle Yes or No for **each one**.

- | | | |
|------|-----|----|
| A 7 | Yes | No |
| B 23 | Yes | No |
| C 31 | Yes | No |
| D 18 | Yes | No |

END OF PRACTICE QUESTIONS

BBQ chicken



Steve works out that one BBQ chicken of this size will feed **6** people.



1 How many of these BBQ chickens does Steve need to feed **24** people?

- A 3
- B 4
- C 5
- D 6

Weed killer - dilution



2 How much weed killer do you add to 8 litres of water?

- A 160 mL
- B 165 mL
- C 175 mL
- D 200 mL
- E 225 mL

Decimal addition and subtraction

3 $301.59 - 17.03 + 45.82$ equals

- A 60.11
- B 238.74
- C 330.11
- D 330.38

Subtraction to 7



4 Do the following subtractions have an answer of 7?

Circle **Yes** or **No** for each.

A	$14 - 8$	Yes	No
B	$18 - 1$	Yes	No
C	$9 - 2$	Yes	No
D	$13 - 5$	Yes	No
E	$16 - 9$	Yes	No

Paying bills



Five people share a flat.
They each pay an equal share of the rent.

5 What fraction of the rent does each person pay?

$$\frac{\square}{\square}$$

Auckland holiday 1

The Auckland Lifestyle Route	Time (hours)	Distance (kilometres)
Day 1 – Auckland to Waiheke Island	0.75	22
Day 2 – Waiheke Island to Warkworth	1.75	85
Day 3 – Warkworth to Auckland	1	68

*Travel time is approximate only, based on average driving speed under normal conditions

6 The total predicted travel time for ‘The Auckland Lifestyle Route’ is

- A 2.51 hours.
- B 3.25 hours.
- C 3.5 hours.
- D 3.75 hours.



7 The total distance travelled for ‘The Auckland Lifestyle Route’ is

_____ km.

Giving out pieces of pizza

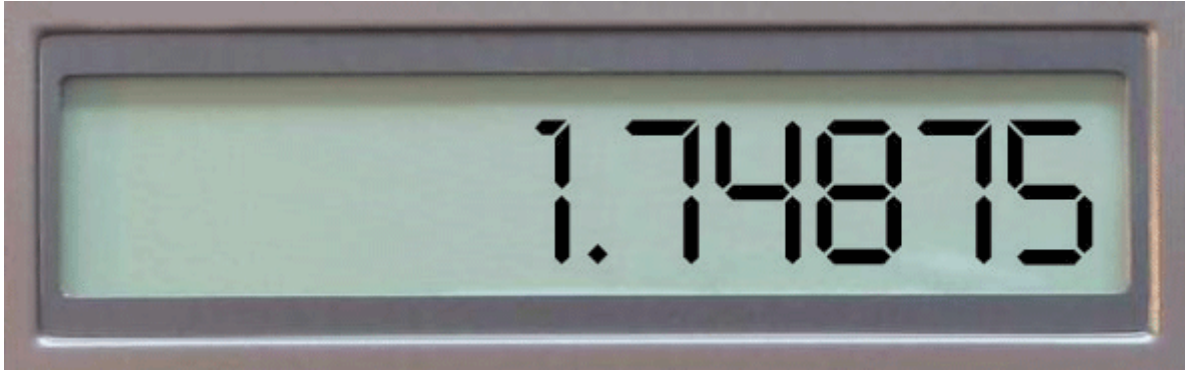


8 Karaka has $3\frac{1}{2}$ pizzas left.

How many different people can he give $\frac{1}{4}$ size pieces to?

_____ people

Calculator digits 1



Craig divided \$13.99 by 8 on his calculator and got this answer.

9 What is this amount to the nearest **cent**?

- A \$1.70
- B \$1.74
- C \$1.75
- D \$1.78
- E \$2.00

Renting a house – total annual payment



10 Sione pays \$700 a fortnight in rent.

How much rent does he pay in one year? (One year = 26 fortnights.)

\$ _____

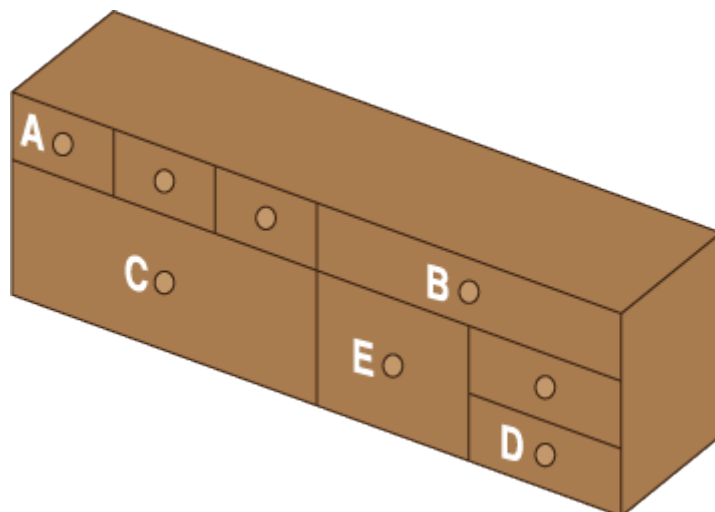
Arsenic contamination



Sione is a cattle farmer. He tests the groundwater on his land to make sure it is safe to drink. He finds the water has an arsenic level of 1.2 mg/L. The safe limit of arsenic is 0.50 mg/L or below.

- 11** Which statement is true about the level of arsenic in the groundwater on Sione's land?
It is
- A 0.30 mg/L less than the safe limit.
 - B 0.38 mg/L less than the safe limit.
 - C 0.70 mg/L more than the safe limit.
 - D 0.80 mg/L more than the safe limit.
 - E 1.15 mg/L more than the safe limit.

Closest Volume




This chest has drawers of different sizes.

12 Which drawer has the same volume as drawer B?

- A Drawer A
- B Drawer C
- C Drawer D
- D Drawer E

Place value hundreds

 13 How many hundreds in 70,000?

- A 7
- B 70
- C 700
- D 7,000
- E 70,000

Car deals 2



Jake works for Rent-a-Car. A 5-day car hire normally costs \$300. Rent-a-Car offers 30% off all car hire in July.

14 How much should Jake charge for a 5-day car hire in July?

- A \$210
- B \$250
- C \$270
- D \$290

Factors 1



15 A number is less than 100. It can be divided exactly by both 7 and 9.

What is the number?

END OF ASSESSMENT