

Numeracy

2024 Q3 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

Decimal groupings 2



1 Which decimal sum is equal to **one**?

- A $0.08 + 0.02$
- B $0.08 + 0.2$
- C $0.8 + 0.2$
- D $0.8 + 0.02$

Job share



A job is shared equally between 3 people.

2 What fraction of the job does each person do?

- A $\frac{1}{2}$
- B $\frac{2}{1}$
- C $\frac{1}{3}$
- D $\frac{3}{1}$
- E $\frac{3}{2}$
- F $\frac{2}{3}$

House auction 2



Hohepa is bidding for a house at an auction. The current bid is \$308,250.



3 What will the bid increase to if Hohepa offers another \$1,000?

- A \$308,260
- B \$308,350
- C \$309,250
- D \$319,250
- E \$409,250

Towels in a hotel room




The hotel storeroom stores **450** towels when full. **287** have been taken out for use.

4 How many towels are left in the storeroom?

_____ towels

Stock inventory



Product	Quantity (boxes)
PN	110
RL	256
EX	34
DF	57

Shelley is counting stock in a warehouse. When there are less than 50 boxes of a product left, Shelley needs to restock it.

- 5 Which products from the table need to be restocked?

Circle Yes or No for each product.

- | | | | |
|---|----|-----|----|
| A | PN | Yes | No |
| B | RL | Yes | No |
| C | EX | Yes | No |
| D | DF | Yes | No |

Overtime

Employee	Ariana	
Day	Overtime	
	Hours	Minutes
Monday	2	
Tuesday		45
Wednesday	1	45
Thursday		30
Friday	1	15
Total	4	135

6 Ariana worked a total of 4 hours and 135 minutes overtime.

This is equal to **6 hours** and _____ minute(s).

Missing points 1

Mary is 165 metres tall.
She drinks a 375 litre can of drink.



This information is incorrect. The decimal points are missing from the numbers.



- 7 The decimal point is missing from Mary's height.

How tall is Mary?

- A .165 metres
- B 1.65 metres
- C 16.5 metres
- D 165.0 metres



- 8 The decimal point is missing for the volume of the can of drink.

What is the volume of the can of drink?

- A .375 litres
- B 3.75 litres
- C 37.5 litres
- D 375.0 litres

Necklace profit 1



Emma makes a profit of **\$8** when she sells one necklace.



9 How many necklaces must Emma sell to make a profit of \$200?

_____ necklaces

Export quality avocados



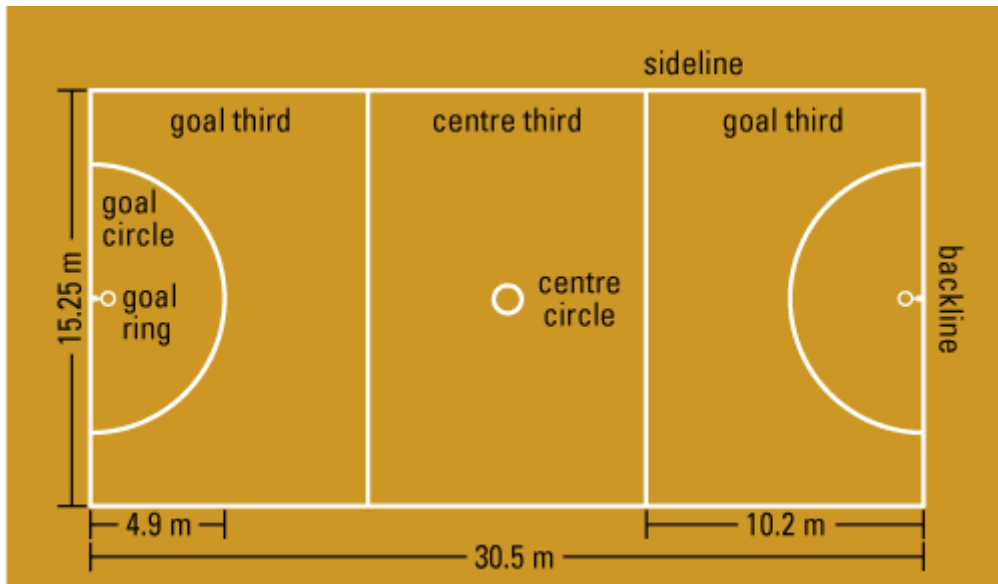
The Kingi Farm produces 10,000 avocados. Three-quarters of these avocados are export quality.



10 How many avocados are export quality?

- A 750
- B 2,500
- C 3,400
- D 7,500
- E 8,000

Perimeter of netball court



11 What is the distance around the outside (perimeter) of this netball court?

- A 45.75 m
- B 60.85 m
- C 91.5 m
- D 465.125 m
- E 930.25 m

Weight measurements 2

Date	Weight
June 2nd	81 kg
June 16th	79.5 kg
June 30th	80 kg
July 14th	78 kg
July 28th	77 kg
August 11th	76.5 kg



The weight of a patient is recorded once a fortnight.

- 12 What is the difference in weight between June 2nd and August 11th?

_____ kg

Wine bottling 3



This wine bottling machine fills **1,800** bottles each hour.



- 13** How many bottles will the machine fill in **1 minute**?
(note: 1 hour = 60 minutes)

_____ bottles

Pricing washing powder



\$6.90



\$10.20



\$17.20

Tui Stores sold different-sized packs of washing powder at the prices shown above.

14 Which pack of washing powder is the cheapest per kilogram (kg)?

- A the 2 kg pack
- B the 3 kg pack
- C the 5 kg pack
- D both the 3 kg and the 5 kg packs
- E Each pack is the same cost per kilogram (kg).

Percents and decimals 5



15 What is 250% written as a decimal?

END OF ASSESSMENT