

# Numeracy

## 2017 Q3 Numeracy

Today's date:	<input type="text"/>
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Given name:	<input type="text"/>
Family name:	<input type="text"/>
Organisation:	<input type="text"/>
Course:	<input type="text"/>
Gender:	<input type="radio"/> Female <input type="radio"/> Male
Date of birth:	<input type="text"/>
Is English your first language?	<input type="radio"/> Yes <input type="radio"/> No
If No, what is your first language?	<input type="text"/>

What ethnic group(s) do you belong to? (For example, New Zealand European, Māori, Samoan, Tongan.)
<input type="text"/>

Learner Identification (optional)	
NSN:	<input type="text"/>
SMS ID:	<input type="text"/>



# 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 |

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## Gifts and Suitcases



Kiri's family goes overseas.  
They take 12 gifts with them.  
They put the same number of gifts into each of their 3 suitcases.



1 How many gifts are in each suitcase?

- A  3
- B  4
- C  6
- D  9

**Choose which number**

2 Which number has three tens and four units (ones)?

- A  33
- B  34
- C  43
- D  44
- E  304
- F  340

## 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 |

## Decimals between numbers 2

5 Write a decimal number that is between 7 and 8

\_\_\_\_\_



## Biscuits 1



- 6 There are 15 biscuits. You eat  $\frac{1}{3}$  of them.  
How many biscuits do you eat?

\_\_\_\_\_

## Necklace profit 2



Emma makes a profit of **\$11** when she sells one necklace.



7 How many necklaces must Emma sell to make a profit of \$275?

\_\_\_\_\_ necklaces

## Knowing multiplications



8 Using the fact  $5 \times 12 = 60$ , choose a calculation from below that equals  $35 \times 12$ .

- A   $5 \times 60$
- B   $6 \times 60$
- C   $7 \times 60$
- D   $8 \times 60$
- E   $30 \times 60$

## Place value tens



9 How many tens in 786?

- A  70
- B  78
- C  80
- D  86

## Festival 2



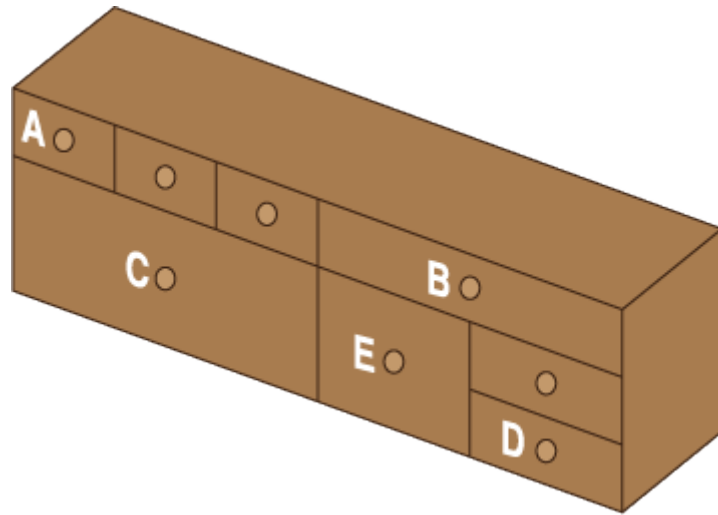
Tickets for a music festival were \$80 each. 500 tickets were sold.



10 How much money was received in total from ticket sales?

\$ \_\_\_\_\_

### Closest Volume




This chest has drawers of different sizes.

11 Which drawer has the same volume as drawer B?

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

## Car repairs 1

Job number	Start time	End time
1	8:00 am	8:55 am
2	9:05 am	10:35 am
3	10:40 am	11:45 am
4	12:45 pm	2:05 pm

A photograph of a car mechanic in a white shirt and blue trousers working on a car engine. The car is elevated on a blue lift. The mechanic is standing and looking up at the engine, with his hands near it. The background shows a typical garage setting with various tools and equipment.

Craig is a car mechanic. He keeps a time record for each car he services, shown in the table.

12 Which job took longest?

- A  Job 1
- B  Job 2
- C  Job 3
- D  Job 4

## Cooking amounts 2

- 13 A recipe uses 0.75 kilograms of flour.

How many grams of flour is this?

- A  7.5
- B  75
- C  750
- D  7500
- E  75,000

- 14 A recipe uses  $\frac{1}{2}$  cup (125 millilitres) of oil.

How many litres of oil is this?

- A  0.0125
- B  0.125
- C  1.25
- D  12.5
- E  125

Make to one

$$\frac{3}{4} + \frac{\square}{8} = 1$$



- 15 Which of the following numbers should go in the box so that the two fractions add up to 1?

- A  1
- B  2
- C  3
- D  4
- E  8
- F  9

**End of Assessment**