## Numeracy

### 2020 Q4 Numeracy

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Developed by NZCER and ACER
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.
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
You have 3 of these trays. How many cakes could you bake altogether?

_________ cakes

Show your calculations below.

Write these five numbers in order from smallest to largest.

Smallest  __________  __________  __________  __________  __________  Largest

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
1. A customer withdraws $2,500 in $100 notes. How many $100 notes does he get?

A. 5
B. 25
C. 250
D. 2,400
E. 250,000

Which number?

2. Which number has five hundreds and four units (ones)?

A. 405
B. 450
C. 504
D. 540
E. 4005
F. 5004

Which number?
Parking

Tiana has 28 one-dollar coins for 7 days of parking. She uses the same number of coins each day. There are no coins left after the 7 days.

3 How much does Tiana spend on parking each day?
S___________
The weekly income for people in the fishing and agriculture industry increased from $485 a week in 2003 to $600 a week in 2007.

4. By how much did the weekly income increase from 2003 to 2007?

A. $115  
B. $125  
C. $215  
D. $285
Which month had the **lowest** price?

A  ☐  May  
B  ☐  June  
C  ☐  July  
D  ☐  August  
E  ☐  September

Round the August lowest price of $1.819 to the nearest 10 cents.

$ _______________
Sam started shopping at 2:15 pm. When she finished shopping she checked her watch and it showed the time above.

7 For how long had Sam been shopping?

_________ hour(s) _________ minute(s)
8. Do the following methods give the cost of buying 5 CDs?

Circle Yes or No for each one.

A. $6 + 5  
   Yes  Yes  No
B. $6 − 5  
   Yes  No
C. $6 × 5  
   Yes  No
D. $6 ÷ 5  
   Yes  No
E. $6 + $6 + $6 + $6 + $6  
   Yes  No

9. Which of these numbers can be added to 0.43 to make exactly 1?

   A. 0.057
   B. 0.07
   C. 0.47
   D. 0.57
   E. 0.67

Decimals to one #1
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
Daniel’s salon earns about $4,200 in one week.

11 How many hundreds of dollars are in this amount?

A  4
B  42
C  420
D  4,200
Jaqui completed a cycling and running race. The cycling took 2 hours 50 minutes, and the running took 1 hour 55 minutes.

12 How long did Jaqui take to complete the race?

_______________ hour(s) _______________ minute(s)

What's the number?

5 3 4 2

13 Use 3 of the digits shown to write a whole number that is:

• between 300 and 400
• has five tens.

_______________
How many tonnes in 540,000 kg?

A  54
B  540
C  5400
D  54,000
A restaurant buys 8 cans of the vegetable oil.

**15** The approximate cost will be closest to

- A: $8 \times 50$
- B: $8 \times 40$
- C: $10 \times 50$
- D: $10 \times 45$

**16** What is the cost per litre for the oil? Work out the answer to the **nearest cent**.

- A: $2.40$
- B: $2.43$
- C: $2.44$
- D: $2.45$
- E: $2.50$
END OF ASSESSMENT