UNAM
UNIVERSITY OF NAMIBIA

FACULTY	EDUCATION AND HUMAN SCIENCES
SCHOOL	EDUCATION
DEPARTMENT	EARLY CHILDHOOD EDUCATION AND CARE
SUBJECT	NUMERACY STUDIES 2B
SUBJECT CODE	E3652CN
DATE	NOVEMBER 2025
DURATION	2 HRS MARKS: 75

FIRST OPPORTUNITY EXAMINATION

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EXTERNAL MODERATOR: Dr Corin Mathews, University of Witwatersrand

INSTRUCTIONS TO CANDIDATE:

1. **This question paper consists of EIGHT (8) pages including the cover page.**
2. **Answer ALL the questions.**
3. **Number your questions correctly.**
4. **Read the questions carefully before you answer.**
5. **Please note that cheating in the examination will result in a fail.**
6. **No calculators are allowed.**

UNIVERSITY OF NAMIBIA EXAMINATION QUESTION PAPER

QUESTION 1:

Choose the correct answer in each of the following questions. Write down the number and the correct letter only, e.g. (10x2=20)

1. C
2. B

1. 2.012 + 201.2 is equal to

   A 203.32 B 203.032 C 201.32 D 203.212 E 202.312

2. The final amount if N$400 is increased by 10% and then decrease by 20% is:

   A N$ 450 B N$ 440 C N$ 352 D N$ 88 E N$ 460

3. 0.821 expressed as a percentage is:

   A 0.821% B 8.21% C 82.1% D 821% E 8

4. Which of the following shapes has exactly one pair of parallel sides?

   A. Rectangle

   B. Square

   C. Trapezoid

   D. Rhombus

   E. Triangle

5. Which group of fractions is in descending order?

   A $\frac{2}{3}; \frac{3}{4}; \frac{5}{8}; \frac{5}{6}$

   B $\frac{5}{8}; \frac{2}{3}; \frac{3}{4}; \frac{5}{6}$

   C $\frac{2}{3}; \frac{3}{4}; \frac{5}{6}; \frac{5}{8}$

   D $\frac{5}{6}; \frac{3}{4}; \frac{2}{3}; \frac{5}{8}$

   E $\frac{2}{3}; \frac{1}{2}; \frac{3}{4}; \frac{4}{5}$

6. The sum of the smallest and the largest of the numbers

0.398; 0.938; 0.9; 0.893

is equal to:

A 1.298 B 1.336 C 1.793 D 1.838 E 1.938

7. $125 + 125 \times (2 + 2)$ is equal to:

A 5×125 B $4x\ 125$ C 125×125 D $125 + 250 + 2$ E 250×5

8. If data has been organised into a frequency distribution table, what is usually the next step?

A. Collection of more data

B. Interpretation of data

C. Displaying data in graphical form

D. Cleaning and sorting data

E. Making a hypothesis

9. Bar graphs can be grouped into

A. Grouped bar graphs

B. Stacked bar graphs

C. Stacked bar graphs and grouped bar graph

D. A B and C are not applicable

E. A only applicable

10. Which 3D shape has only one vertex?

A. Cylinder

B. Sphere

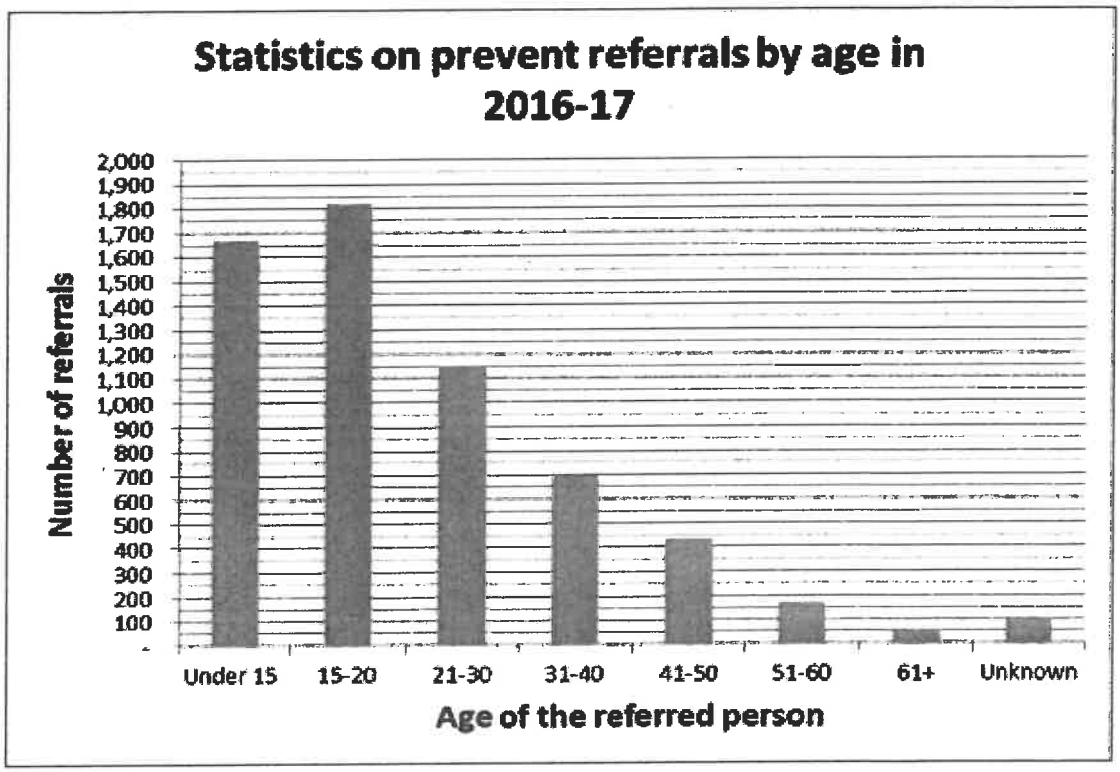
C. Cube

D. Cone

E. Rectangular prism

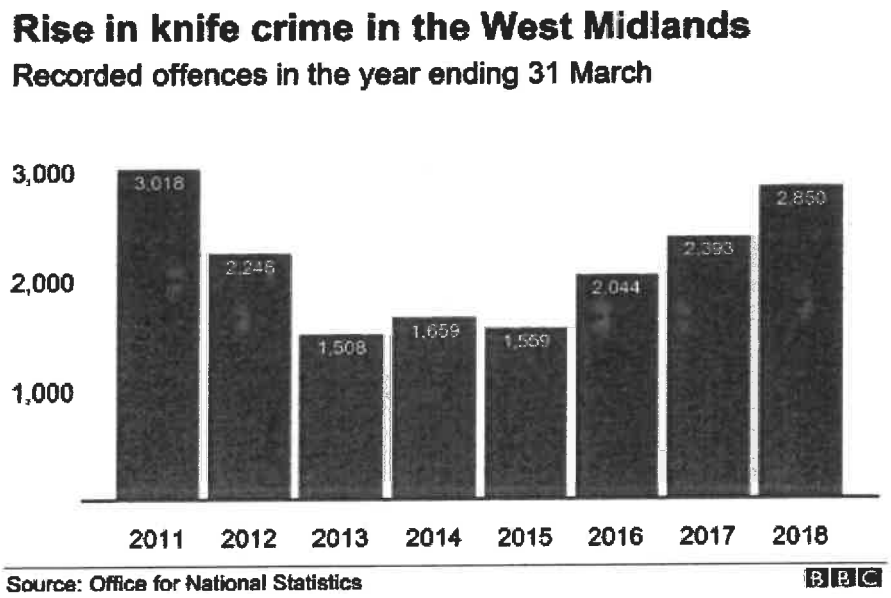
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1. **QUESTION 2**



1. Approximately how many 15- to 20-year-olds were referred in 2016 - 17? (1)

Here is some data about knife crime in the West Midlands.

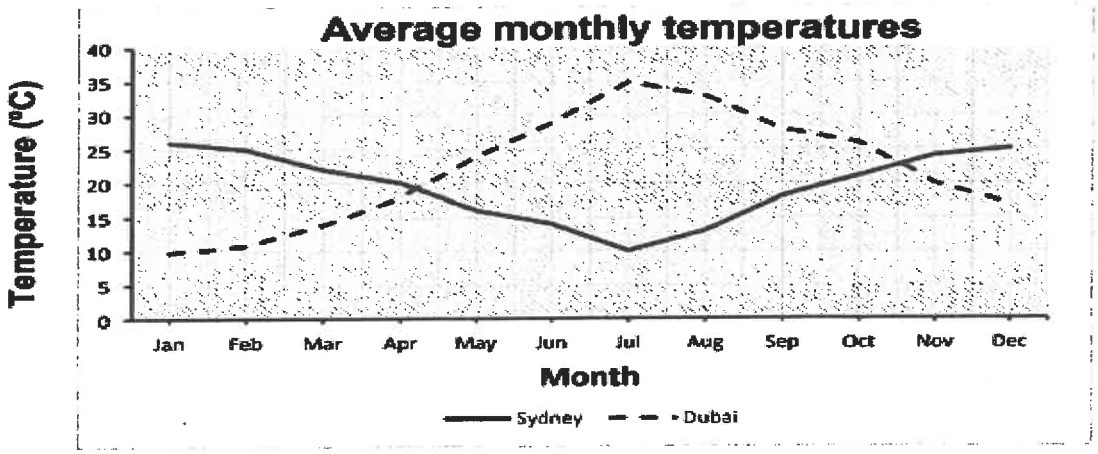


2. Which year saw the least knife crime? (1)

3. What is the difference in the average monthly temperatures of Sydney and Dubai?

art shows the average monthly temperatures of Sydney and Dubai.

is the difference in the average monthly temperature of Sydney and Dubai in July?



Show your workings. (2)



Natangwe says he is 13 years old. Fayre claims that this is an example of continuous data, while Etuhole argues that it is discrete data. Who do you agree with? Give a reason for your answer.

(3)

4. Some dice was thrown 30 times, and the following outcomes were noted

2, 1, 2, 4, 6, 1, 2, 3, 6, 5, 4, 4, 3, 1, 1, 3, 1, 1, 5, 6, 6, 2, 2, 3, 4, 2, 5, 5, 6, 4

a) Prepare a frequency table. (6)

b) Work out the median outcome. (2)

5. Solve the following scenarios.

a) Find the mean of the first 5 multiples of 3. (3)

b) If the averages of the given data 6, 10, 12, x, 16 is 14, find the value of x.

(3)

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QUESTION 3

1. Explain how you can introduce the concept of fractions to learners. (10)

2. Draw diagrams to demonstrate how you can teach fractions using the following teaching strategies. (9)

   a) Measurement or discrete model.

   b) The linear model

   c) Area model

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QUESTION 4

1. Represent the data below on a bar chart. The following are the heights of five learners in a class: (10)

Mary -120 cm

Jane – 100 cm

Jacob – 90 cm

Mark – 130 cm

Mangundu – 110cm.

2. Answer the following questions briefly and fully.

a) Is height discrete or continuous data? Justify the answer. (2)

b) Is currency discrete or continuous data? Justify the answer. (2)

c) A car repair garage keeps a record of the number of mirrors on the cars it repairs. What is the appropriate type of data for this information? (1)

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Total: 75 Marks