

MINISTRY OF EDUCATION



ANTIGUA AND BARBUDA

2014 GRADE SIX NATIONAL ASSESSMENT

MATHEMATICS - PAPER 1

June 05, 2014

30 MARKS

TIME: 50 Minutes

Answer ALL Questions

Read the Following Instructions Carefully

1. This paper has 30 questions. You have 50 minutes to answer them.
2. Each question has four possible answers: A, B, C, D
3. Read each question carefully then choose the correct answer.
4. On the answer sheet, find the number of the question you want to answer.
5. Shade the circle with the letter of the answer you have chosen.

Sample Question:

The difference between 16 and 8 is:

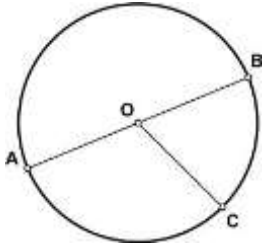
- A. 2
- B. 8
- C. 24
- D. 128

The correct answer is 8, so on your answer sheet you should shade the circle containing the letter *B*.



6. If you want to change your answer, be sure to erase your old answer completely and fill in your new choice.
7. If you cannot answer a question, omit it and go on to the next one. You can come back to the harder question later.

Your score will be the total number of correct answers.

<p>1. Which one of the letters below has no line of symmetry?</p> <p>D M T Z</p> <p>A. Z B. T C. M D. D</p>	<p>5. Which line segment in the circle shown represents the diameter?</p> <p>A. AO B. OB C. AB D. OC</p> 
<p>2. $260 + 158 + 6$ is equal to</p> <p>A. 314 B. 324 C. 414 D. 424</p>	<p>6. $10 \times 1 \times 0 =$</p> <p>A. 0 B. 1 C. 10 D. 100</p>
<p>3. Which set of numbers below contains only numbers that can be exactly divided by 8?</p> <p>A. { 8, 12, 18 } B. { 8, 16, 24 } C. { 8, 16, 20 } D. { 8, 24, 30 }</p>	<p>7. How many times can 5 be taken from 105 and have nothing remaining?</p> <p>A. 11 B. 21 C. 51 D. 100</p>
<p>4. $20 + 20 + 20$ gives the same answer as</p> <p>A. $20 + 30$ B. $20 - 3$ C. $20 \div 3$ D. 20×3</p>	<p>8. How is 30 060 written in words?</p> <p>A. Three million, sixty B. Three thousand, sixty C. Thirty thousand, sixty D. Thirty thousand, six</p>

Questions **9**, **10** and **11** are based on the number **6490**

9. The value of the digit 6 is

- A. 6
- B. 60
- C. 600
- D. 6000

10. Which numeral is in the hundreds place?

- A. 6
- B. 4
- C. 9
- D. 0

11. How much less than the value of the digit 4 is the value of the digit 9?

- A. 5
- B. 40
- C. 90
- D. 310

12. What amount must be added to 0.05 to make 1?

- A. 0.05
- B. 0.95
- C. 0.5
- D. 1.05

13. What is the mass in grams of the package of sugar shown below?



- A. 20g
- B. 200g
- C. 2000g
- D. 20 000g

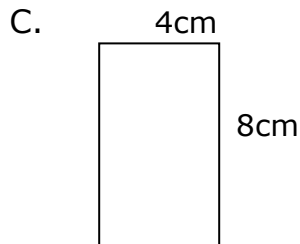
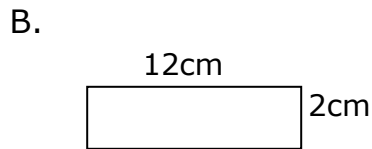
14. Which set of fractions is arranged in order from largest to smallest?

- A. $\frac{2}{3}$, $\frac{2}{6}$, $\frac{2}{9}$
- B. $\frac{2}{9}$, $\frac{2}{6}$, $\frac{2}{3}$
- C. $\frac{2}{6}$, $\frac{2}{3}$, $\frac{2}{9}$
- D. $\frac{2}{3}$, $\frac{2}{9}$, $\frac{2}{6}$

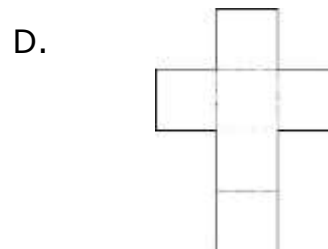
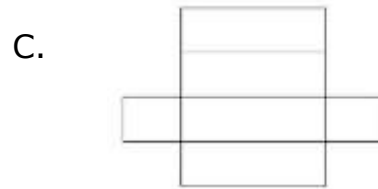
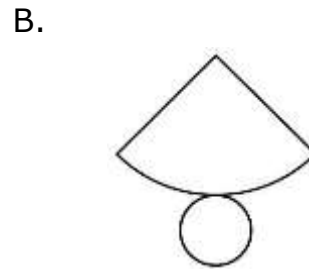
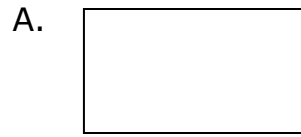
15. An angle that measures more than 90° , but less than 180° is

- A. Acute
- B. Right
- C. Obtuse
- D. Reflex

16. Which of the following shapes has a perimeter of 24cm? (shapes are not drawn to scale)



18. Which of the diagrams below represents the net of a cube?



17. If $265 < \square$, which one of the following numbers could represent \square

- A. 260
- B. 264
- C. 265
- D. 266

19. 50% of the cost of a book is \$40.00. how much does the book cost?

- A. \$20.00
- B. \$60.00
- C. \$80.00
- D. \$90.00

Use the table of scores to answer questions **20**, **21** and **22**.

3, 5, 6, 3, 2, 3, 6

20. What is the mode of the set of scores above?

- A. 3
- B. 5
- C. 6
- D. 28

22. What is the median of the set of scores above?

- A. 2
- B. 3
- C. 5
- D. 6

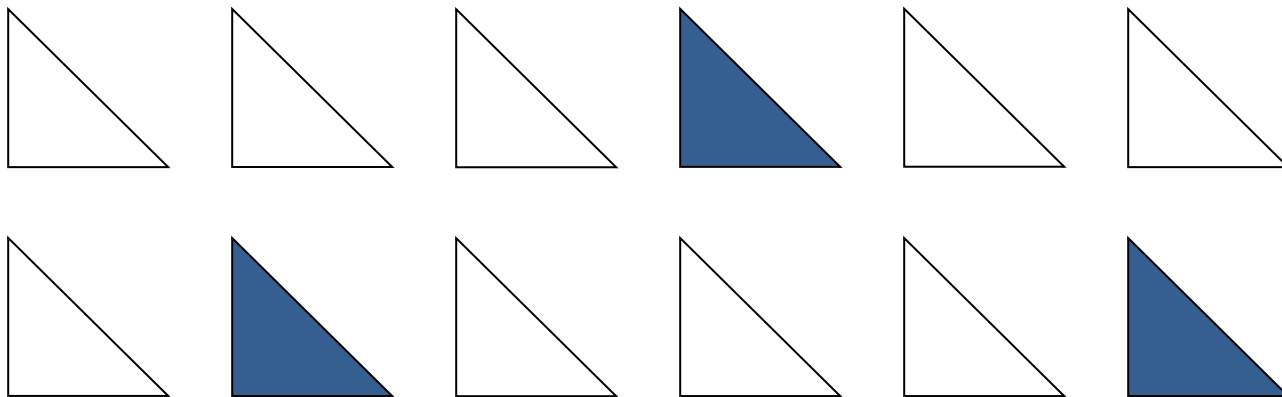
21. The mean of the set of scores above is

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

23. 3% when written as a fraction is

- A. $\frac{1}{3}$
- B. $\frac{1}{300}$
- C. $\frac{3}{10}$
- D. $\frac{3}{100}$

Question 24 is based on the following triangles.



24. What percentage of the triangles above is shaded?

- A. 3%
- B. 25%
- C. $33\frac{1}{3}\%$
- D. 30%

Use the chart below to answer questions **25, 26, 27** and **28**.

Shoul's Store Business Hours	
Monday	8:30am - 4:30pm
Tuesday	8:30am - 4:30pm
Wednesday	8:30am - 4:30pm
Thursday	8:30am - 1:30pm
Friday	8:30am - 5:00pm
Saturday	8:30am - 6:00pm
Sunday	Closed

25. For how many hours does the shop do business on Mondays?

- A. 6
- B. 7
- C. 8
- D. 9

27. On which day does the shop do business for the longest period?

- A. Monday
- B. Thursday
- C. Friday
- D. Saturday

26. On which day does the shop do business for the shortest period?

- A. Monday
- B. Thursday
- C. Friday
- D. Saturday

28. Susan arrives at the shop at 7:35am. For how many minutes does she have to wait before the shop opens?

- A. 55 minutes
- B. 50 minutes
- C. 45 minutes
- D. 35 minutes

Use the following diagrams to answer question 29.

Bag
\$15.00



Shoes
\$25.00



Book
\$10.00



Skirt
\$50.00



29. Kim went to the store and bought two items. She paid with a \$100.00 bill and got back \$60.00 in change. Which two items of those pictured above did she buy?

- A. Shoes and bag
- B. Shoes and book
- C. Skirt and book
- D. Skirt and bag

Question 30 is based on the following diagram.



30. Tina has three hands of bananas and 4 single bananas as shown above. Each hand has 5 bananas. Which of these number statements gives the total number of bananas that Tina has?

- A. $3 \times 5 + 4$
- B. $3 \times 5 \times 4$
- C. $3 \times (5 \times 4)$
- D. $3 \times (5 - 4)$