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UNITED ARAB EMIRATES
MINISTRY OF EDUCATION



الإمارات العربية المتحدة
وزارة التربية والتعليم

Mathematics Term 1 Examination

ASP Grade 6

Sample Paper

75 minutes

Section	المقَدَّر 1 Marker 1		المقَدَّر 2 Marker 2		الدرجة النهائية Final Mark	
	الدرجة Mark	التوقيع Sign	الدرجة Mark	التوقيع Sign	بالأرقام In Figures	بالحروف In Words
Multiple Choice						
Constructed Response						
المراجع Moderator						
الاسم Name					التوقيع Signature	

Multiple Choice

Section 1: Multiple Choice

A calculator may not be used on questions in this part of the exam.

1.	Express $\frac{3}{4}$ as a percent?	
	(A)	3%
	(B)	4%
	(C)	34%
	(D)	75%

2.	What is the best estimate for 37% of 289?	
	(A)	37
	(B)	120
	(C)	150
	(D)	289

3.	A city had 9.2 inches of rain in April and 4.3 inches of rain in May. Calculate the difference in rainfall between the two months?	
	(A)	3
	(B)	3.9
	(C)	4.9
	(D)	5

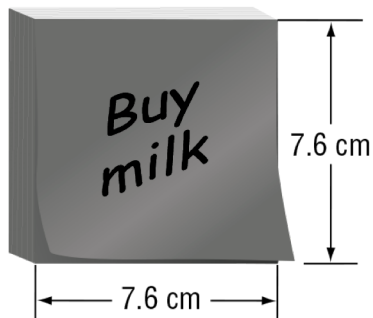
4.	Compute the Greatest Common Factor of 48 and 144?	
	(A)	2
	(B)	6
	(C)	12
	(D)	48

5.	There is 0.00039 units of Carbon Dioxide for every 1 unit of air. What is 0.00039 written as a percent?	
	(A)	0.00039%
	(B)	0.039%
	(C)	0.39%
	(D)	39%

Multiple Choice

6. Justin was estimating the area of the square sticky note shown below. Which would be the best estimate of the area of the note?

Use $A = lw$.



- | | |
|-----|-----------------------|
| (A) | 36 square centimeters |
| (B) | 49 square centimeters |
| (C) | 64 square centimeters |
| (D) | 72 square centimeters |

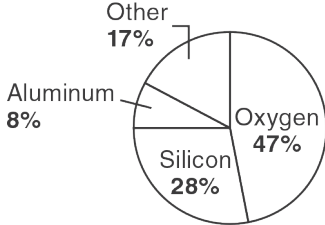
7. What is the best estimate for 25.4×5.1 ?

- | | |
|-----|-----|
| (A) | 100 |
| (B) | 125 |
| (C) | 150 |
| (D) | 175 |

8. Evaluate the quotient of 97.56 and 0.1.

- | | |
|-----|--------|
| (A) | 0.9756 |
| (B) | 9.756 |
| (C) | 975.6 |
| (D) | 9,756 |

Multiple Choice

9.	<p>The graph shows the elements found in Earth's crust. What fraction of Earth's crust is silicon?</p> <p style="text-align: center;">Elements in Earth's Crust</p>  <p>A pie chart titled "Elements in Earth's Crust" is divided into four segments. The largest segment is labeled "Oxygen 47%". The next largest is "Silicon 28%". A smaller segment is labeled "Aluminum 8%". The smallest segment is labeled "Other 17%".</p>
(A)	$\frac{1}{28}$
(B)	$\frac{2}{5}$
(C)	$\frac{7}{25}$
(D)	$\frac{1}{2}$

10.	What is the Least Common Multiple (LCM) of 7 and 8?
(A)	1
(B)	7
(C)	8
(D)	56

11.	Which of the following correctly identifies the quadrant where the point (- 3, 7) is located?
(A)	Quadrant 1
(B)	Quadrant 2
(C)	Quadrant 3
(D)	Quadrant 4


12.	Evaluate the expression $5\frac{1}{2} - 3\frac{2}{5}$.
(A)	2
(B)	$2\frac{1}{10}$
(C)	$2\frac{3}{7}$
(D)	$8\frac{1}{10}$

Multiple Choice

13.	Which is the best estimate for $\frac{1}{8}$ of 55?	
(A)	5	
(B)	7	
(C)	9	
(D)	11	

14.	Amna's necklace is $10\frac{1}{4}$ inches long. Maria's necklace is $2\frac{1}{2}$ times longer than Amna's. Estimate how long Maria's necklace is.	
(A)	2 inches	
(B)	10 inches	
(C)	25 inches	
(D)	35 inches	

15.	Evaluate the expression $4\frac{1}{6} \div 1\frac{2}{3}$.	
(A)	$\frac{2}{5}$	
(B)	$2\frac{1}{2}$	
(C)	$4\frac{1}{4}$	
(D)	$6\frac{17}{18}$	

16.	<p>Khalifa read $\frac{5}{7}$ of the pages in his book. He has 28 pages left to read. How many pages did he read already?</p> 	
(A)	70	
(B)	98	
(C)	140	
(D)	196	

Multiple Choice

17.	The ratio of drinks to burgers sold in a canteen in one day is 2 to 5. If 40 drinks are sold in one day, how many burgers were sold?
(A)	5
(B)	49
(C)	80
(D)	100

18.	<p>The table shows the animals at a petting zoo. What is the ratio of goats to the total number of animals?</p> <table border="1"> <thead> <tr> <th colspan="2">Animals at a Petting Zoo</th></tr> </thead> <tbody> <tr> <td>Chickens</td><td>2</td></tr> <tr> <td>Deer</td><td>4</td></tr> <tr> <td>Donkey</td><td>3</td></tr> <tr> <td>Goats</td><td>6</td></tr> </tbody> </table>	Animals at a Petting Zoo		Chickens	2	Deer	4	Donkey	3	Goats	6
Animals at a Petting Zoo											
Chickens	2										
Deer	4										
Donkey	3										
Goats	6										
(A)	$\frac{5}{2}$										
(B)	$\frac{9}{6}$										
(C)	$\frac{6}{9}$										
(D)	$\frac{2}{5}$										

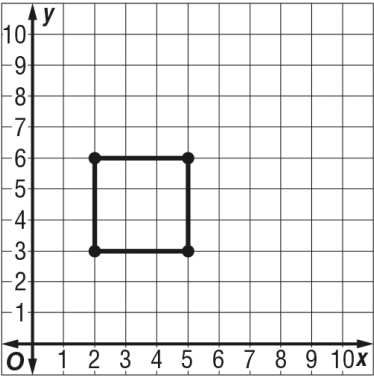
19.	If Hamdan withdraws AED 215 from his bank account. Write an integer which shows how this situation would be shown on his bank statement.
(A)	– 215
(B)	0
(C)	1
(D)	215

20.	Evaluate the expression $ -52 $.
(A)	– 52
(B)	– 25
(C)	25
(D)	52

Section 2: Constructed Response

A calculator may be used on questions in this part of the exam.

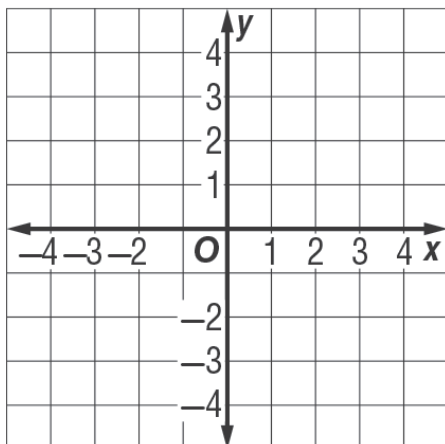
Clearly show all your working.

21.	<p>State the ordered pairs for the corners of the square in the graph below.</p> 	/4
22.	<p>Evaluate the expression $-5 + 7$.</p>	/2

Constructed Response

23. Graph and label the points A(4, 2), B(−4, 1) and C(−3, −2).

/3



24. Write the decimal 0.45 as a fraction in simplest form. Clearly show your working.


/2

25. The original price of a DVD is AED 25. The sale price is 70% of the original price. Find the sale price of the DVD.

/3

Constructed Response

26.	Mr. Yousef drove 297 miles in 3 days. How many miles did he travel each day on average?	/2
27.	Salim attends art class every 4 weeks, chess club every 2 weeks, and fencing lessons every 3 weeks. If he attended all three this week, when will he attend all three again?	/3
28.	There are 842 students going on a school field trip. Each bus can carry 48 students. How many buses should the school reserve? Explain your reasoning.	/4

29.	Calculate the perimeter and area of the figure below. Show your working clearly.	/4
	<div style="text-align: center;"> <p>9.5 cm</p>  <p>4.1 cm</p> </div>	

30.	Hussain multiplied 30 by 0.25 and got 7.5. Zane said that it was wrong because when you multiply two numbers, the product is always greater than both of the numbers. Has Hussein multiplied correctly? If he has, explain why Zane is wrong and what would make his statement true?	/3