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MARKING GUIDELINE

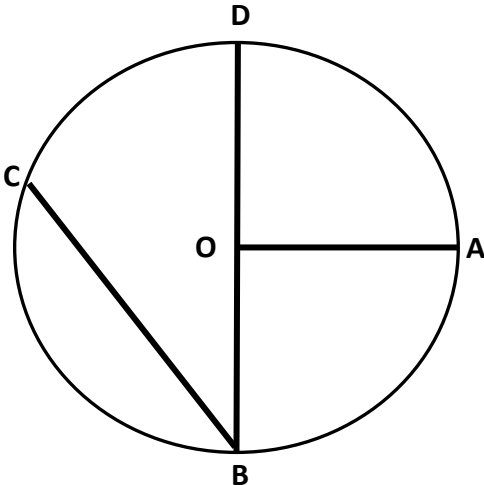
MATHEMATICS BASELINE TEST: JULY 2024

GRADE: 8

1.	What is the constant term in $3x^2 - 2x - 4$?	
Option	Possible Answer	Errors and Misconceptions
A.	3	Took the coefficient of x^2 .
B.	4	Omitted negative
C.	- 4	✓Correct response
D.	- 2	Took the coefficient of x
2.	Given: $4r - 2t$ Identify the variable/s.	
Option	Possible Answer	Errors and Misconceptions
A.	r	only selected r and left out t
B.	r and t	✓Correct response
C.	t	only selected t and left out r
D.	$4r$ and $2t$	4 and 2 are the coefficients of r & t .
3.	What is the coefficient of r in $\frac{3xy-2r+7}{3}$?	
Option	Possible Answer	Errors and Misconceptions
A.	2	2 is the coefficient of r but ignored the denominator and negative sign.
B.	$-\frac{2}{3}$	✓Correct response
C.	-2	-2 is the coefficient of r but ignored the denominator
D.	$\frac{2}{3}$	Omitted the negative sign

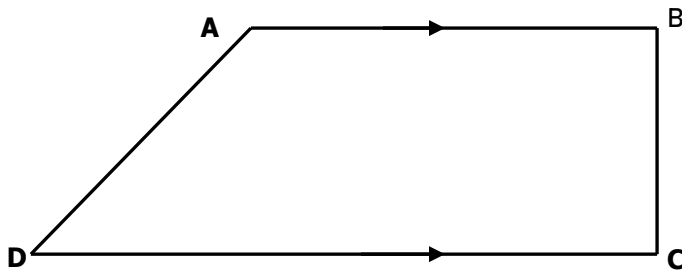
MARKING GUIDELINE
July 2024 Grade 8



4.	When eight is subtracted from twice a certain number, what is the expression?	
Option	Possible Answer	Errors and Misconceptions
A.	$-2x + 8$	error interpretation of expression
B.	$-2x - 8$	error interpretation of expression
C.	$2x - 8$	✓Correct response with $2x - 8$
D.	$2x + 8$	error interpretation of expression.
5.	$y = 3x - 3$ and $x = -3$, determine the output value y	
Option	Possible Answer	Errors and Misconceptions
A.	6	Substituted incorrectly with $+3$ instead of -3
B.	-9	Substituted correctly but multiplied incorrectly $3(-3)$ and got -6
C.	3	Substituted correctly but multiplied incorrectly $3(-3)$ and got 6
D.	-12	✓Correct response with $3(-3) - 3 = -9 - 3 = -12$
6.	Circle with centre O is given below. What is the name of line $\overline{OA}$? 	
Option	Possible Answer	Errors and Misconceptions
A.	Radius✓	Correct answer Line OA
B.	Chord	Chord is Line BC
C.	Sector	Portion of the circumference (arc) and radii
D.	Diameter	Diameter is Line BD

7.	Which two of these triangles are congruent?	
Option	Possible Answer	Errors and Misconceptions
A.	(1), (3) and (4)	only 1 & 4 are congruent but 3 is similar to 1&4
B.	(1) and (3)	(1) and (3) are similar triangles
C.	(3) and (4)	(3) and (4) are also similar triangles
D.	(1) and (4)	✓1 and 4 are congruent triangles.
8.	Which of the following have all three unequal sides?	
Option	Possible Answer	Errors and Misconceptions
A.	Right- angled triangle.	A triangle in which one of the interior angles is 90° .
B.	Equilateral triangle.	a triangle that has all its sides equal in length
C.	Isosceles triangle	a triangle that has two sides of equal length.
D.	Scalene triangle.	✓ Correct response.
9.	The sum of interior angles of the all triangles is ...	
Option	Possible Answer	Errors and Misconceptions
A.	90°	size of a right angle
B.	360°	sum of interior angles of the Quadrilateral
C.	270°	270° is a reflex angle.
D.	180°	✓Correct response

10. In the figure below, $\overrightarrow{CD}$ is perpendicular to line.....



Option	Possible Answer	Errors and Misconceptions
A.	$\overrightarrow{AD}$	$\overrightarrow{AD}$ is opposite to $\overrightarrow{BC}$
B.	$\overrightarrow{DC}$	$\overrightarrow{CD}$ is the same as $\overrightarrow{DC}$
C.	$\overrightarrow{BC}$	✓Correct response $\overrightarrow{CD}$ is perpendicular to $\overrightarrow{BC}$
D.	$\overrightarrow{AB}$	$\overrightarrow{CD}$ is parallel to $\overrightarrow{AB}$
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