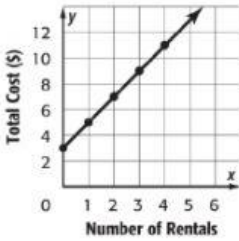



## Grade 6 Mathematics - Unified Quiz (March 2021)

Question Number	Question	Marks	Difficulty and TIMSS Skill
1	G6M1-What is $3 \times 3 \times 3 \times 3 \times 3$ written using an exponent?  A. 243 B. $3 \times 5$ C. $3^5$ D. $5^3$	1	Difficulty: Easy  TIMSS Skill Domain: Knowing
2	G6M2-Find the value of $ -10  +  5 $  A. -15 B. -5 C. 5 D. 15	1	Difficulty: Easy  TIMSS Skill Domain: Knowing
3	G6M3-Factorise $6x + 21y$  A. $3xy(2 + 7)$ B. $3(2x + 7y)$ C. $2x + 7y$ D. $27xy$	1	Difficulty: Easy  TIMSS Skill Domain: Knowing
4	G6M4-Yasmin has 3 times as many marbles as Mariam. If Mariam has $m$ marbles, what is the correct expression for the number of marbles Yasmin has?  A. $m \div 3$ B. $m - 3$ C. $m + 3$ D. $3m$	1	Difficulty: Medium  TIMSS Skill Domain: Applying
5	G6M5-Tariq scored 7 goals out of 15 attempts during a football tournament. What proportion of his goal attempts were successful, expressed as a decimal?  A. 0.5 B. 0.46 C. 0.46 D. 0.7	1	Difficulty: Medium  TIMSS Skill Domain: Applying
6	G6M6-Solve the equation $24 = \frac{z}{0.3}$  A. 7.2 B. 8 C. 24.3 D. 80	1	Difficulty: Medium  TIMSS Skill Domain: Applying
7	G6M7-A cleaning company charges AED 65 to visit a home and AED 50 to clean each room. If the total bill was AED 365, how many rooms were cleaned?  A. 3 rooms B. 4 rooms C. 5 rooms D. 6 rooms	1	Difficulty: Hard  TIMSS Skill Domain: Reasoning

8	<p>G6M8-The graph shows the charges for a bicycle rental business in a month. Which equation shows the total charge (<math>y</math>) for (<math>x</math>) number of rentals in a month?</p>  <p>A. <math>y = 2x</math>  B. <math>y = 2x + 3</math>  C. <math>y = 3x</math>  D. <math>y = 3x + 2</math></p>	1	<p><b>Difficulty:</b> Hard</p> <p><b>TIMSS Skill Domain:</b> Reasoning</p>
9	<p>G6M9-Which of the following inequalities has the solution shown below?</p>  <p>A. <math>6n &gt; 24</math>  B. <math>6n \geq 24</math>  C. <math>6n \leq 24</math>  D. <math>6n &lt; 24</math></p>	1	<p><b>Difficulty:</b> Medium</p> <p><b>TIMSS Skill Domain:</b> Applying</p>
10	<p>G6M10-A summer camp charges a AED 45 registration fee plus an additional AED 10 for each day that someone attends the camp.</p> <p>Which equation shows the total cost (<math>y</math>) for attending the camp for (<math>x</math>) number of days?</p> <p>A. <math>y = 55x</math>  B. <math>y = 45x + 10</math>  C. <math>y = 10x + 45</math>  D. <math>y = 45x - 10</math></p>	1	<p><b>Difficulty:</b> Hard</p> <p><b>TIMSS Skill Domain:</b> Reasoning</p>
10 questions in total		marks total	10