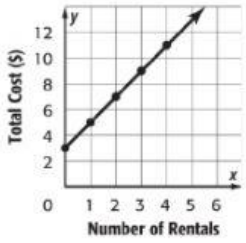
Grade 6 Mathematics - Unified Quiz (March 2021)

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.** 3×5 **C.** 3^5 **D.** 5^3	1	**Difficulty: Easy** **TIMSS Skill Domain: Knowing**
2	G6M2-Find the value of $\lvert -10 \rvert + \lvert 5 \rvert$ **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.** $0.4\overline{6}$ **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**

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

LIVEWORKSHEETS