

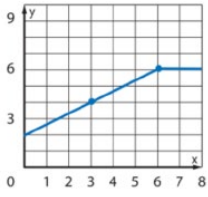
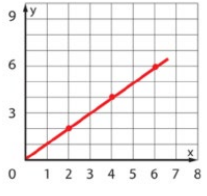
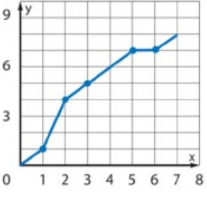
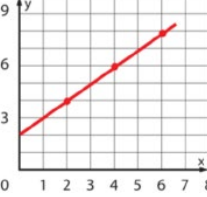
Mock Exam: Grade 7 Term 1 202)5(

		Name بلاطلا مسا
7		Class فصلا
ZAYED CITY		School ةسردملا
Mathematics		Subject ةداملا
		Total

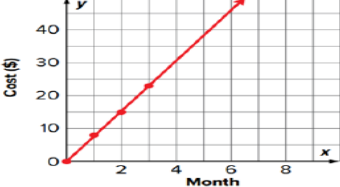
Question	1	4marks
A small electric bike speed is 36 miles in $\frac{3}{4}$ hour. At this rate, how many miles can it drive in 1 hour?		
A	27 miles in one hour	
B	$\frac{1}{27}$ miles in one hour	
C	48 miles in one hour	
D	$\frac{1}{48}$ miles in one hour	

Question	2	4marks
A strand of hair grows at a constant rate of 0.6 mm per day. A different strand of hair grows at a constant rate of 18 mm per month. Determine if this situation represents a proportional relationship.		
A	لا؛ النسبة الأولى 4.5 mm في الأسبوع والنسبة الأخرى 18 mm في الشهر. No; One ratio is 4.5 mm per week and the other is 18 mm per month.	
B	نعم؛ كلاهما لديه نسبة 18 mm في الشهر. Yes, both have a ratio of 18 mm per month.	
C	نعم؛ كلاهما لديه نسبة 9 mm في الشهر. Yes, both have a ratio of 9 mm per month.	
D	نعم؛ كلاهما لديه نسبة 4.5 mm في الأسبوع. Yes, both have a ratio of 4.5 mm per week.	

Question	3	4marks								
Which table does not represent a proportional relationship?										
A	<table><tr><td>x</td><td>3</td><td>5</td><td>7</td></tr><tr><td>y</td><td>9</td><td>15</td><td>21</td></tr></table>	x	3	5	7	y	9	15	21	
x	3	5	7							
y	9	15	21							
B	<table><tr><td>x</td><td>3</td><td>5</td><td>7</td></tr><tr><td>y</td><td>15</td><td>25</td><td>35</td></tr></table>	x	3	5	7	y	15	25	35	
x	3	5	7							
y	15	25	35							
C	<table><tr><td>x</td><td>3</td><td>5</td><td>7</td></tr><tr><td>y</td><td>12</td><td>14</td><td>16</td></tr></table>	x	3	5	7	y	12	14	16	
x	3	5	7							
y	12	14	16							
D	<table><tr><td>x</td><td>3</td><td>5</td><td>7</td></tr><tr><td>y</td><td>18</td><td>30</td><td>42</td></tr></table>	x	3	5	7	y	18	30	42	
x	3	5	7							
y	18	30	42							

Question	4	4marks
Choose the graph that represents a proportional relationship.		
A		
B		
C		
D		

Question	5	4marks
A mechanic charges \$560 for 8 hours of work on a car. The equation $y = 70x$ can be used to represent this situation. Identify the constant of proportionality k.		
A	$k = 560$	
B	$k = 70$	
C	$k = 8$	
D	$k = 56$	

Question	6	4marks
The total cost of online streaming of TV is proportional to the number of months. Choose the correct statement. 		
A	It costs \$5 for every month	
B	The unit rate is 15	
C	The unit rate is 7.5	
D	It costs \$20 for every two months	

Question	7	4marks
Mohammad bought 6 cups of a coffee for AED 54. Write an equation relating the total cost y to the number of coffee cups bought x if it is a proportional relationship.		
A	$y = 8x$	
B	$y = 7x$	
C	$y = 9x$	
D	$y = 54x$	

Question		8	4marks
Maha bought 3 shirts for AED 20. Assume the relationship between the number of shirts and total cost, is proportional. How much Maha will pay for 15 shirts?			
A	Aed 80		
B	Aed 40		
C	Aed 60		
D	Aed 100		

Question		9	4marks
Suhail increased his savings from AED 150 to AED 210, What is the percent of change in his saving?			
A	60%		
B	83%		
C	20%		
D	40%		

Question		10	4marks
What is the total cost of a jacket if its cost AED 20 and the sales tax is 5%?			
A	Aed 21		
B	Aed 1		
C	Aed 19		
D	Aed 25		

Question		11	4marks
The cost of a tablet is \$100. The markup for the tablet is 58%. Find the selling price of the tablet.			
A	\$58		
B	\$158		
C	\$42		
D	\$105.8		

Question		12	4marks
Find the sale price in the discount period for a perfume, if its price AED 650, and it has discount 80%.			
A	Aed 260		
B	Aed 390		
C	Aed 520		
D	Aed 130		

Question		13	4marks
Ahmad puts AED 1,500 into a savings account. The account pays 3% simple interest. If he neither adds nor withdraws money from the account, how much interest will he earn in 2 years?			
A	AED 90		
B	AED 45		
C	AED 4000		
D	AED 3000		

Question	14	4marks
Adnan wants to earn at least \$2000 this month in commission. What is the minimum amount he needs to sell if he earns a 10% commission?		
A	\$ 20 000	
B	\$ 200	
C	\$2 200	
D	\$ 20	

Question	15	4marks
A worker estimates that it will take him 12 hours to complete his job. It actually takes him 15 hours. What is the percent error of the worker's estimate?		
A	20%	
B	80%	
C	30%	
D	50%	

Question		16	4marks
Find $-12 + 7$.			
A	5		
B	-5		
C	19		
D	-19		

Question		17	4marks
Find $-6 - (-23)$.			
A	-17		
B	17		
C	-29		
D	29		

Question		18	4marks
Find $(-4)(-2)(-5)$.			
A	40		
B	-40		
C	80		
D	-80		

Question		19	4marks
Find $42 \div (-6)$.			
A	-7		
B	7		
C	-8		
D	8		

Question		20	4marks
Evaluate $-2(3) + (-7)$.			
A	-13		
B	-1		
C	13		
D	1		

Question		21	4marks
Write $\frac{8}{15}$ as decimal.			
A	0.53		
B	0.535		
C	0.5		
D	$0.\overline{53}$		

Question		22	4marks
Evaluate $-2(3) + (-7)$.			
A	-13		
B	-1		
C	13		
D	1		

Question		23	4marks
Write $\frac{8}{15}$ as decimal.			
A	0.53		
B	0.535		
C	0.5		
D	$0.\overline{53}$		

Question		24	4marks
Find the additive inverse of 0.76.			
A	-0.76		
B	0.7		
C	-0.7		
D	$\frac{76}{100}$		

Question		25	4marks
Find $-3\frac{3}{5} + 4\frac{4}{5}$.			
A	$\frac{6}{5}$		
B	$-\frac{6}{5}$		
C	$\frac{12}{5}$		
D	$-\frac{12}{5}$		

Question	26	4marks
Find $\frac{11}{15} - \left(-\frac{3}{5}\right)$.		
A	$-\frac{2}{15}$	
B	$-\frac{4}{3}$	
C	$\frac{2}{15}$	
D	$\frac{4}{3}$	

Question	27	4marks
Find $\frac{7}{4} \left(-\frac{7}{9}\right)$. Write in simplest form.		
A	$-\frac{49}{36}$	
B	$\frac{35}{36}$	
C	$\frac{49}{36}$	
D	$-\frac{35}{36}$	