

*للحصول على أوراق عمل لجميع الصفوف وجميع المواد اضغط هنا

https://almanahj.com/ae

* للحصول على أوراق عمل لجميع مواد الصف السادس اضغط هنا

https://almanahj.com/ae/6

* للحصول على جميع أوراق الصف السادس في مادة رياضيات ولجميع الفصول, اضغط هنا

https://almanahj.com/ae/6math

* للحصول على أوراق عمل لجميع مواد الصف السادس في مادة رياضيات الخاصة بـ الفصل الثالث اضغط هنا

https://almanahj.com/ae/6math3

* لتحميل كتب جميع المواد في جميع الفصول لله الصف السادس اضغط هنا

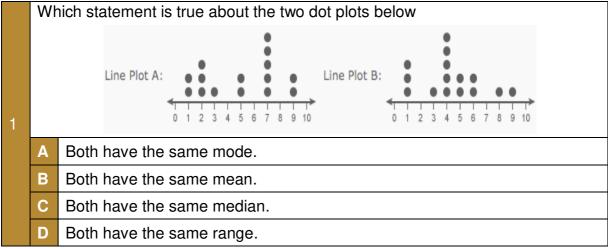
https://almanahj.com/ae/grade6

للتحدث إلى بوت المناهج على تلغرام: اضغط هنا

https://t.me/almanahj_bot

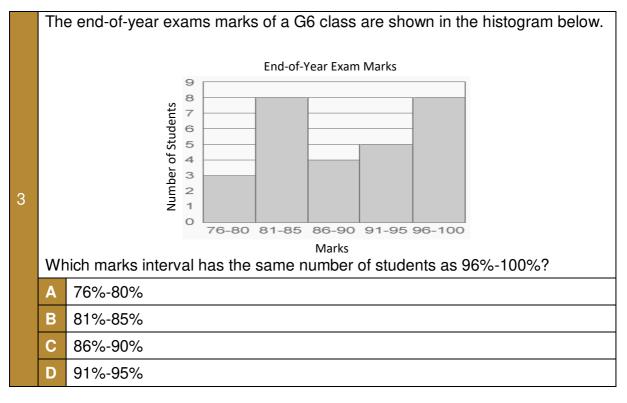


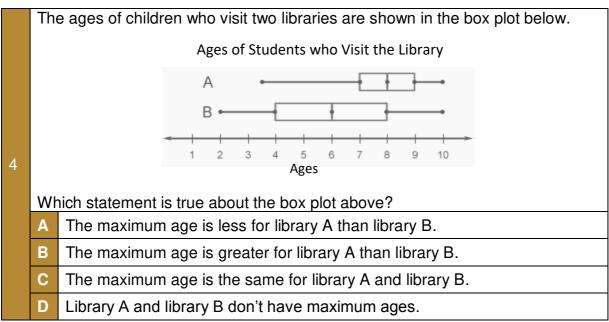
Gra	de	6	Student Learning Outcome(s)	6. <i>sp</i> .1, 6. <i>sp</i> .2, 6. <i>sp</i> .5, 6. <i>sp</i> .8, 6. <i>sp</i> .10				
Student Name					Class		Date	
Calculator Allowed								
	Whi	Which statement is true about the two dot plots below						



In Mr. Harun's class, the number of books students read in one week is shown in dot plot below. Books read in a Week 2 5 9 10 0 2 3 4 6 7 8 Which statement is true about the dot plot above? 50% of the students read more than 6 books. A 50% of the students read less than 4 books. В 50% of the students read more than 9 books. С D 50% of the students did read books.

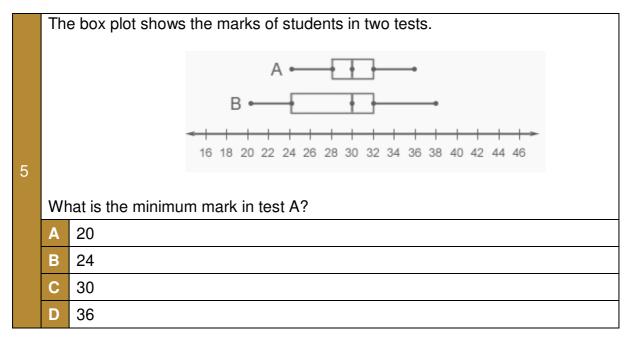


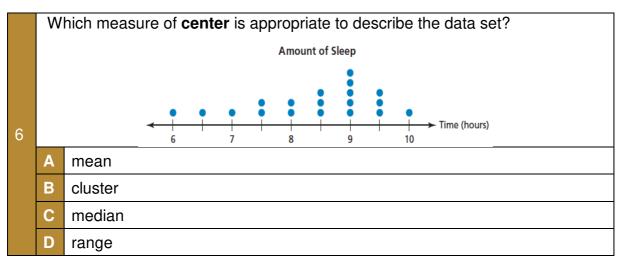












	Th	The marks of students in G6-A and G6-B are shown in the data sets below.					
		G6-A: {10, 7, 12, 6, 14, 25, 10, 5, 1} G6-B: {10, 6, 11, 6, 12, 10, 6, 4, 7}					
7	Which of the following is true about the spread (range) of the data sets above?						
	Α	A The marks for G6-A are more spread out than G6-B.					
	В	B The marks for G6-B are more spread out than G6-A.					
	С	C The marks for G6-A and G6-B are equally spread out.					
	D	Both G6-A and G6-B don't have spread in their marks.					



	Wł	at is the median of data displayed below?
		Amount of Sleep
8		 <!--</th-->
	Α	7.5 hours
	В	8 hours
	С	8.5 hours
	D	9 hours

G6 students collected data about the smartphones they are using. The data is shown in the histogram below.

		Length of Smartphones (cm)					
mber of dents							
Nur Stu	-	5-6 in	7-8 in	9-10 in			
Which statistical question did they use for the survey?							
A How many smartphones are used by G6 students?							
B What are the lengths of the smartphones used by G6 students?							
C What are the lengths of the computers used by G6 students?							
D What is the length o	What is the length of the smartphone used Jassim?						
/ E	Which statistical question How many smartph What are the length What are the length	 Which statistical question did they used in How many smartphones are used what are the lengths of the small What are the lengths of the conditional distribution distribution of the conditional distribution distributication distribution distributication distributication distri	Vhich statistical question did they use for the How many smartphones are used by G6 What are the lengths of the smartphones What are the lengths of the computers us	 Which statistical question did they use for the survey? How many smartphones are used by G6 students? What are the lengths of the smartphones used by G6 What are the lengths of the computers used by G6 	 Which statistical question did they use for the survey? How many smartphones are used by G6 students? What are the lengths of the smartphones used by G6 students? What are the lengths of the computers used by G6 students? 		

The table shows the time 5 students spent to complete a test.							
	Name	Rahseed	Khalid	Osama	Mohammad	Ahmed	
	Time (min.)	8.5	10.2	3.25	5.75	8	
Find the mean time for the data set. A 3.25							
В	7.14						
С	8						
D	10.2						
	Fin A B C	Name Time (min.)Find the mean time fA3.25B7.14C8	NameRahseedTime (min.)8.5Find the mean time for the dataA3.25B7.14C8	NameRahseedKhalidTime (min.)8.510.2Find the mean time for the data set.A3.25B7.14C8	NameRahseedKhalidOsamaTime (min.)8.510.23.25Find the mean time for the data set.A3.25B7.14C8	NameRahseedKhalidOsamaMohammadTime (min.)8.510.23.255.75Find the mean time for the data set.A3.25B7.14	NameRahseedKhalidOsamaMohammadAhmedTime (min.)8.510.23.255.758Find the mean time for the data set.A3.25B7.14

Total Marks	/10
-------------	-----





Student Self-Reflection

	One thing I can do is
What do you think you can <u>and</u> cannot do?	One thing I cannot do is
	I need to improve on
What will your focus be for improvement?	
	I will make this improvement by
How will you make the improvement(s)?	



Grade 6 Mathematics End-of-Term Exam Review 1

<mark>Answer Key</mark>

D
А
В
С
В
С
А
С
В
В





Grade 6 Learning Outcome(s) 6.ee.3, 6.ee.4, 6.ee.5, 6.ee.7, 6.ee.8, 6.ee.11, 6.ee.12, 6.ee.15, 6.ee.16, 6.ee.18

Student		Dete	
Name	Class	Date	

Calculator Allowed

	Eva	aluate this expression below.
	12	× (3 +2) ² ÷ 2- 10
4	Α	14.5
	В	25
	С	50
	D	140

	Wh	What is the value of $4 - 2b^2 + 3c$, when $b = 2$ and $c = -1$?			
	Α	-7			
2	В	-3			
	С	7			
	D	15			

	Wr	ite an algebraic expression for the statement below.
		seven less than a number
3	Α	7-n
3	В	n-7
	С	7n
	D	7 + <i>n</i>

	Ch	oose the correct equivalent expression for the expression below.
		r + 3 + 5r + 9
4	Α	4 <i>r</i> + 12
	В	6 <i>r</i> + 9
	С	6r + 12
	D	3(2r+3)





	Wł	Which value of x will make the $3 + x = 27$ true?		
	A	33		
5	в	30		
	С	24		
	D	17		

	So	Solve $\frac{3}{5}d = 15$.				
	Α	6.6				
6	В	7				
	С	9				
	D	25				

Jawahir makes sales to her manager each day. Her sales for today was twice of her sales for yesterday. She made total sales of AED 350 today. How much is her sales yesterday?

7	Α	AED 175
	В	AED 350
	С	AED 352
	D	AED 700

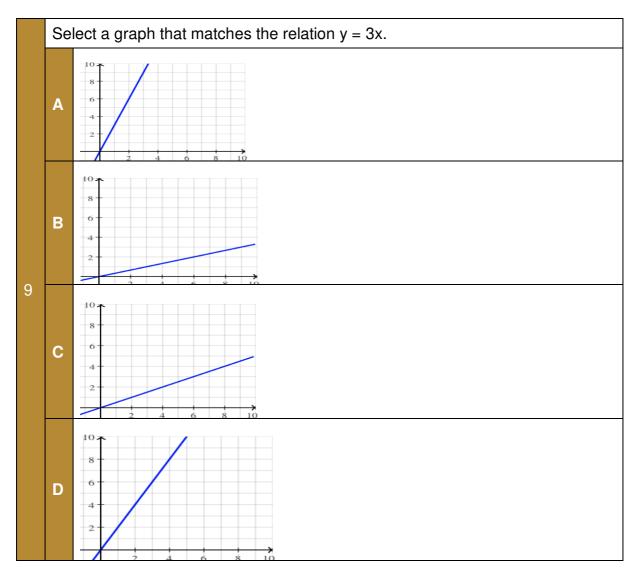
Choose the number from the following set of numbers that will make the inequality k - 3 > 20 true.

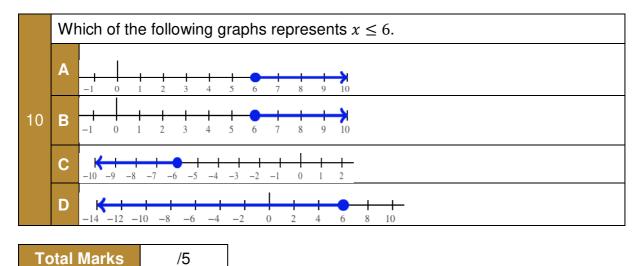
 $\{19, 21, 23, 25\}$

8	Α	19
	В	21
	С	23
	D	25











Grade 6 Mathematics End-of-Term Exam Review 2

Student Self-Reflection

	One thing I can do is
What do you think you can <u>and</u> cannot do?	One thing I cannot do is
	I need to improve on
What will your focus be for improvement?	
	I will make this improvement by
How will you make the improvement(s)?	



Grade 6 Mathematics End-of-Term Exam Review 2

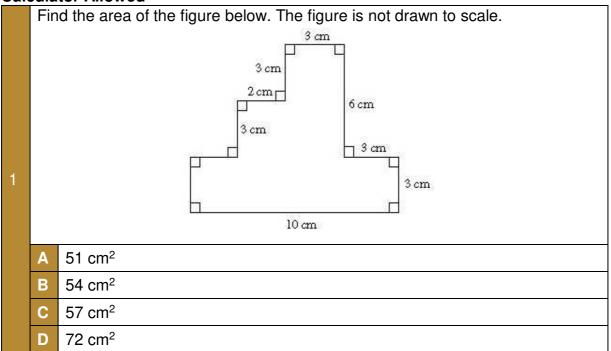
Answer Key

Q1	D
Q2	А
Q3	В
Q4	С
Q5	С
Q6	D
Q7	А
Q 8	D
Q9	А
Q10	D



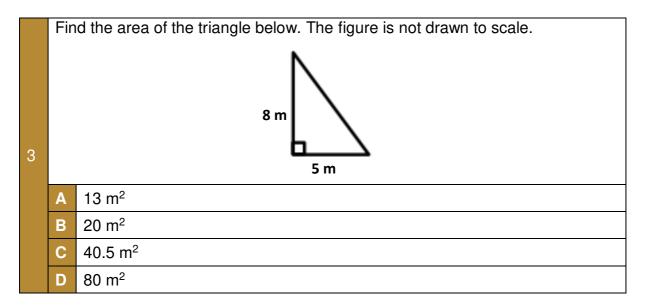
Grade	6	Student Learning Outcome(s)	6.g.1, 6.g.3, 6.g.4, 6.g	.6, 6.g.8		
Student Name			Class		Date	

Calculator Allowed



	Fin	d the area of the figure below. The figure is not drawn to scale.
2		4 m $5 m$ $5 m$ $5 m$ $8 m$
 A 32 m² B 22 m² 		32 m ²
		22 m ²
	С	26 m ²
D 16 m ²		16 m ²

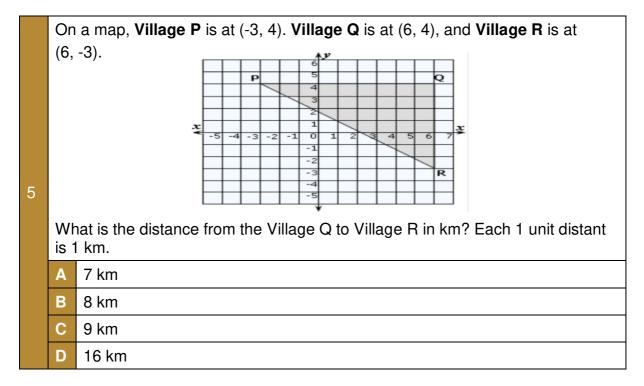


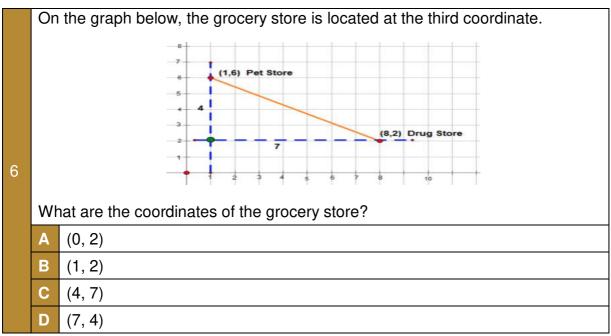


	Th	ree coordinates of a rectangle are shown on the graph below.
		(-5,3) (3,3)
		(-5,-3)
4		
	Wł	nat are the coordinates of the fourth vertex?
	Α	(-3, -3)
	В	(-3, 3)
	С	(-3, 5)
	D	(3, -3)





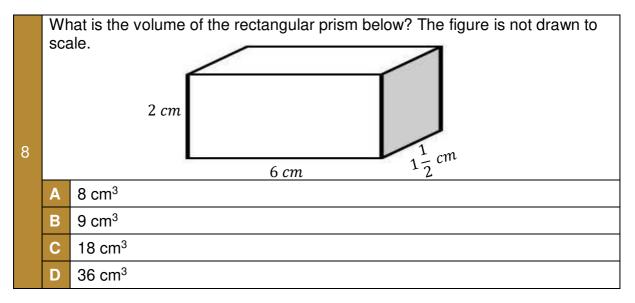








		A rectangular prism has length 4 m, width $\frac{1}{4}$ m, and height 3 m. Find the volume of the rectangular prism.		
	Α	1.5 m ³		
7	В	3 m ³		
	С	7.25 m ³		
	D	48 m ³		



	The net of rectangular prism is shown below.		
9	6 cm Find the surface area. The figure is not drawn to scale.		
	Α	44 cm ²	
	В	48 cm ²	
	С	64 cm ²	
	D	88 cm ²	





	6 cm 12 cm 6 cm		
Fin	d the surface area. The figure is not drawn to scale.		
Α	180 cm ²		
B	144 cm ²		
С	108 cm ²		
D	24 cm ²		
	A B C		

Total Marks

Student Self-Reflection

/10

	One thing I can do is
What do you think you can <u>and</u> cannot do?	One thing I cannot do is
	I need to improve on
What will your focus be for improvement?	
	I will make this improvement by
How will you make the improvement(s)?	





Answer Key

Q1	В
Q2	С
Q3	В
Q4	D
Q5	А
Q 6	В
Q7	В
Q 8	D
Q9	D
Q10	А





Grade	6	Student Learning Outcome(s)	6.ee.3, 6.ee.4, 6.ee.5, 6.ee.12, 6.ee.15, 6.ee.		.ee.11,
Student Name			Class	Date	

Calculator Allowed

	Sol	Solve $x + 4 = 8$.				
	Α	x = 2				
1	В	x = 4				
	С	x = 12				
	D	x = 32				

	Sol	Solve x - 2 = 6			
	Α	x = 3			
2	В	x = 4			
	С	x = 8			
	D	x = 12			

	Solve 2x = 10.			
	Α	x = 5		
3	В	x = 8		
	С	x = 12		
	D	x = 20		

	Sol	Solve $\frac{x}{3} = 9$.			
	Α	x = 3			
4	в	x = 6			
	С	x = 12			
	D	x = 27			





	Cha	Challenge: Solve $2x + 6 = 12$.				
	Α	x = 3				
5	В	x = 9				
	С	x = 12				
	D	x = 36				

	Wh	What is the value of the expression 3p-2 when p=7?		
	Α	28		
6	В	21		
	С	19		
	D	12		

	Wh	What is the value of the expression below?			
	3 ⁴ + 9				
7	Α	21			
ŕ	В	39			
	С	43			
	D	90			

	Wh	What is the value of the expression below when c=5 and d=4?						
	6c ²	$6c^2 - 5d + 8$						
8	Α	48						
	В	79						
	С	138						
	D	888						

	Wh	Which expression is equivalent to 12x-3y+x+x?							
	Α	7x							
9	В	17x							
	С	10x-3y							
	D	14x-3y							





	Which of the following is true when x=12?						
	Α	2x < 8					
10	В	x + 12 < 2					
	С	x - 7 > -2					
	D	$\left(\frac{x}{4}\right) < 3$					

	Which of the following is true when $x = -4$?						
	Α	3x < 0					
11	В	x + 7 < 2					
	С	x - 7 > -2					
	D	$\left(\frac{x}{4}\right) > 0$					

	Wh	Which expression below is equivalent to 5(g+2)?								
	Α	5g + 2								
12	В	5g + 10								
	С	g + 2								
	D	g + 6								

	Mat	Match the phrase with the algebraic expression, equation, or inequality it describes.						
13	h is	h is greater than 13						
	Α	h=13						
	В	h<13						
	С	h>13						
	D	h+13						

	Match the phrase with the algebraic equation or inequality it describes:							
	h is equal to thirteen							
14	Α	h=13						
	В	h<13						
	С	h>13						
	D	h+13						

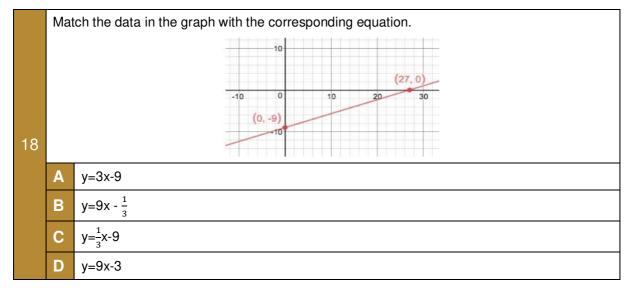




	Mat	Match the phrase with the simplified algebraic expression, equation, or inequality it describes.						
	h is less than 9							
15	Α	h= 9						
	В	h >9						
	С	h< 9						
	D	h +9						

	Wh	Which of the following inequalities matches the number line shown below?											
		3	4	5	6	7	8	9	10	11	12	13	
16	Α	2x ≤ 20											
10	В	x - 3 ≤ 15											
	С	$\frac{x}{3} \ge 6$											
	D	x + 7 ≥ 17											

	Wh	Which of the following inequalities matches the number line shown below?							
		4 5 6 7 8 9 10 11 12 13							
17	Α	2x < 12							
17	В	x - 3 < 6							
	С	$\frac{x}{3} > 3$							
	D	x + 7 ≥ 16							







19		At a restaurant, Mohammed and his three friends decided to divide the bill evenly. If each person paid AED 38, then what was the total bill?						
	Α	AED 12.67						
	В	AED 19						
	С	AED 76						
	D	AED 114						

	Last week Hana ran 30 kilometers more than Fatima. Fatima ran 47 kilometers. How many kilometers did Hana run?							
	Α	1.567 km						
20	В	17 km						
	С	77 km						
	D	1410 km						

Total Marks /20

Student Self-Reflection

	One thing I can do is
What do you think you can <u>and</u> cannot do?	One thing I cannot do is
	I need to improve on
What will your focus be for improvement?	
	I will make this improvement by
How will you make the improvement(s)?	



Grade 6 Mathematics End-of-Term Exam Review 4

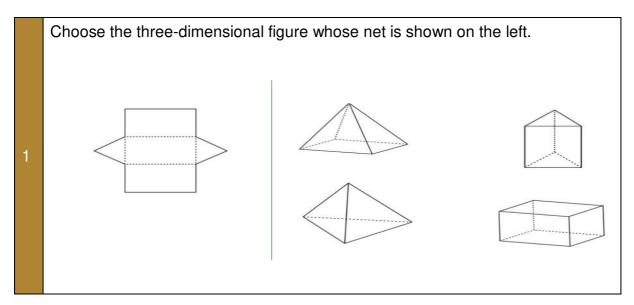
<mark>Answer Key</mark>

Q1	В
Q2	С
Q3	А
Q4	D
Q5	А
Q6	С
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	D
Q 8	С
Q9	D
Q10	С
Q11	А
Q12	В
Q13	С
Q14	А
Q15	С
Q16	Α
Q 17	С
Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20	B C A D C D C D C A B C A B C A C A C C A C C C C C C C
Q19	D
Q 20	С

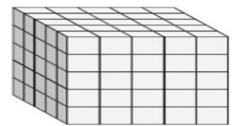


Grade	6	Student Learning Outcome(s)	6. <i>g</i> .5, 6. <i>g</i> .6, 6. <i>g</i> .7, and 6. <i>g</i> .8		
Studer Name	-		Class	Date	

CALCULATOR NOT ALLOWED



The figure below contains cubes each with side length of $\frac{1}{2}$ *cm*. Calculate the volume of the entire figure?

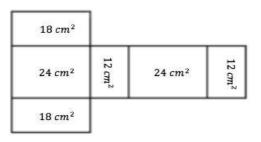


2

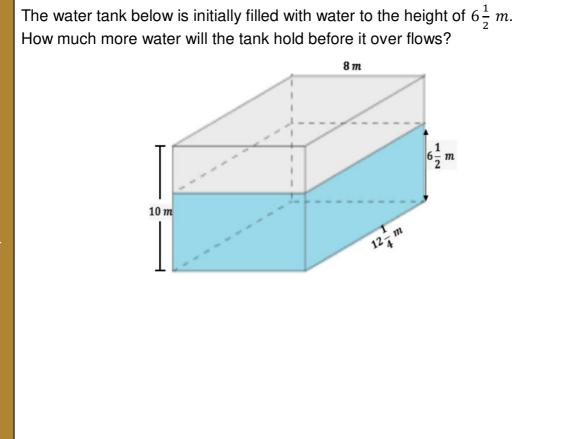


Content and Skills Assessment 1

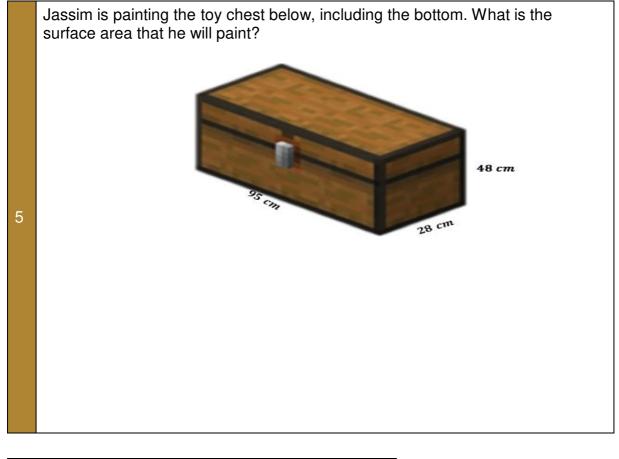
The figure below is the net of a rectangular prism. The area of each face is shown below. Calculate the dimensions (length, width, and height) of the rectangular prism.



3





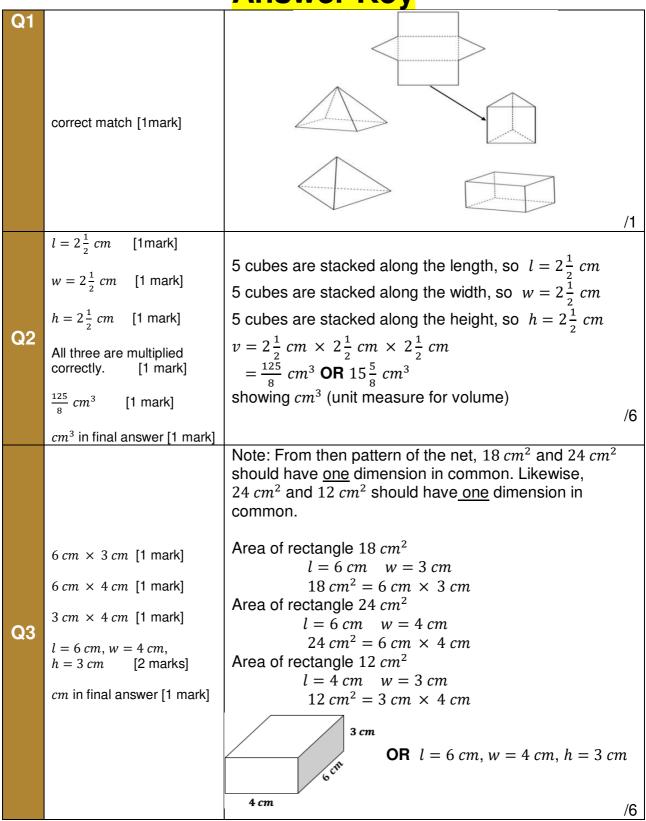


Total Marks	/25
Percentage	/100%





Answer Key





Content and Skills Assessment 1

		1 1
		Difference in height: $10 m - 6\frac{1}{2}m = 3\frac{1}{2}m$
		$v = 12\frac{1}{4}m \times 8m \times 3\frac{1}{2}m$
		$=49 \times 7$
Q4	$10 m - 6\frac{1}{2} m$ [1 mark: finding difference of heights] $12\frac{1}{4}m \times 8m \times 3\frac{1}{2}m$ [2 marks: multiplication and using the difference] 49×7 [1 mark: correct simplification] $343 m^3$ [1 mark] m^3 in final answer [1 mark]	additional amount of water before overflow: $343 m^3$ OR Volume when height is $6\frac{1}{2}m$: $v = 12\frac{1}{4}m \times 8m \times 6\frac{1}{2}m$ $= 49 \times 13m^3$ $= 637 m^3$ Volume when height is 10 m: $v = 12\frac{1}{4}m \times 10m \times 8m$ $= 49 \times 10 \times 2$ $= 980 m^3$ Additional amount of water before overflow: $980 m^3 - 637 m^3 = 343 m^3$
Q5	$2(95 \times 28)$ [1 mark: multiplication using correct factors] $2(95 \times 48)$ [1 mark: multiplication using correct factors] $2(48 \times 28)$ [1 mark: multiplication using correct factors] 5,320 + 9,120 + 2,688 [1 mak] $17,128 \ cm^2$ [1mark] cm^2 in final answer [1 mark]	Surface Area of the rectangular prism $2(95 \times 28) cm^2 + 2(95 \times 48) cm^2 + 2(48 \times 28) cm^2 =$ $5,320 + 9,120 + 2,688 = 17,128 cm^2$ /6



Content and Skills Assessment 1

Question Analysis Information

Use the information below to help you determine which student learning outcomes are not being met by the majority of your students. This will help you make determinations about re-teaching, spiraling content not mastered, and implementing other interventions without interrupting the scheme of work.

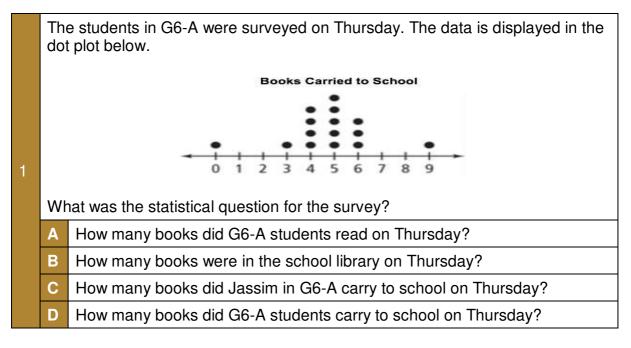
Question	Student Learning Outcome(s)
1	6.g.7 Represent three-dimensional figures using nets made of rectangles and triangles.
2	6.g.5 Calculate the volumes of right rectangular prisms with fractional side lengths using models. 6.g.6 Solve real-world and mathematical problems involving volumes of right rectangular prisms with fractional edge lengths using $V = lwh$ and $V = Bh$.
3	6.g.8 Solve real-world problems involving surface areas of three- dimensional figures by using nets of rectangles and triangles.
4	6. <i>g</i> .6 Solve real-world and mathematical problems involving volumes of right rectangular prisms with fractional edge lengths using $V = lwh$ and $V = Bh$.
5	6.g.8 Solve real-world problems involving surface areas of three- dimensional figures by using nets of rectangles and triangles.

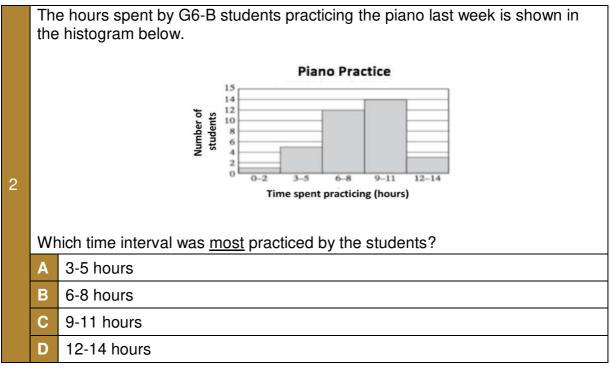




Grade	6	Student Learning Outcome(s)	6. <i>sp</i> .1 - 6. <i>sp</i> .10		
Student Name			Class	Date	

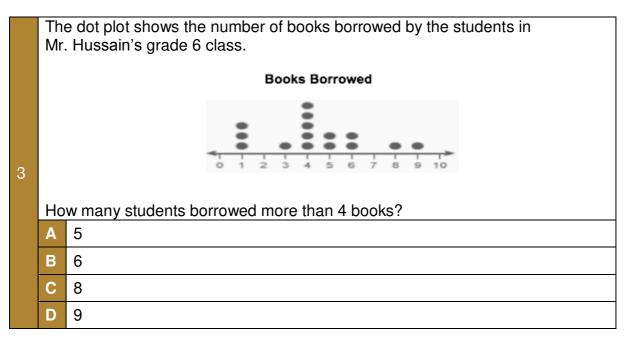
<u>Selected Response</u>: CALCULATOR <u>NOT</u> ALLOWED



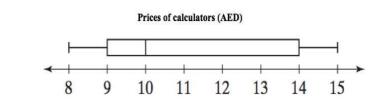




Content and Skills Assessment 2



The box plot below shows the costs of calculators found in different stores in Dubai.



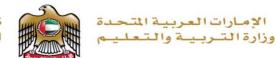
4

According to the box plot above, which of the following statements is false?

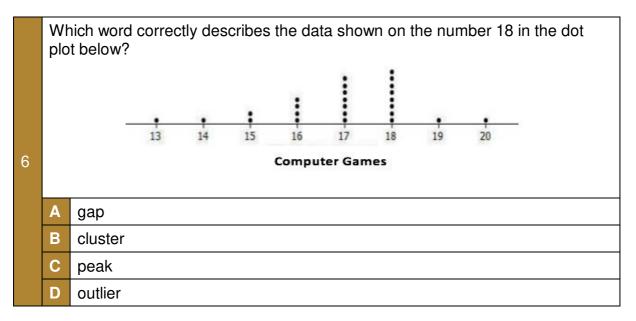
- A The median is AED 9.
- B The minimum price is AED 8.
- C The maximum price is 15 AED.
- D The upper quartile is 14 AED.

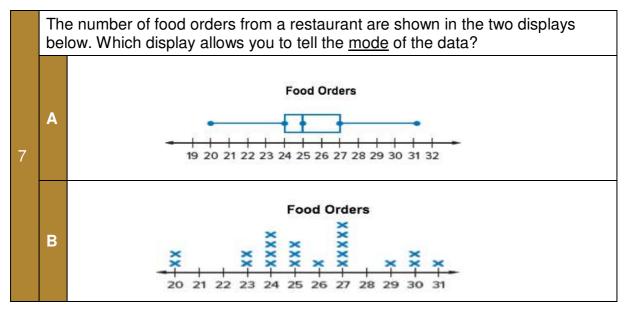
When a data set has an outlier, it is advisable to use the mean to describe the center.

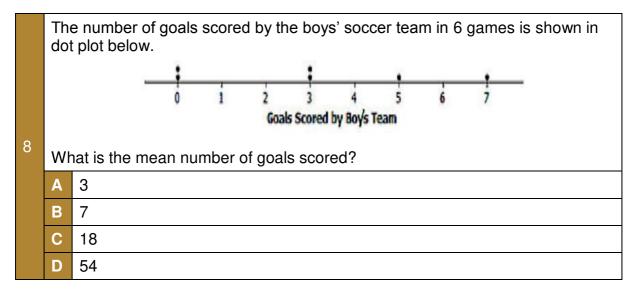
5	Α	True
	В	False



Content and Skills Assessment 2

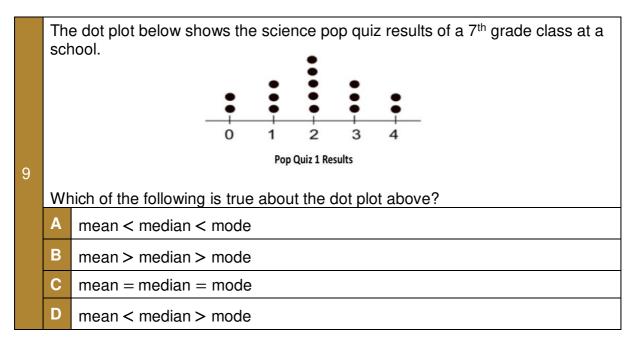


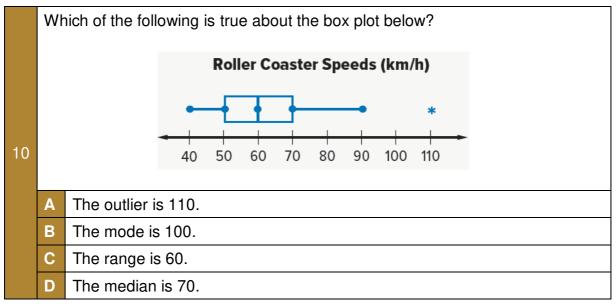






Content and Skills Assessment 2









<u>Constructed Response</u>: CALCULATOR ALLOWED

The grades of students in G6-A and G6-B are shown in the data sets below.

G6-A: {10, 7, 12, 6, 14, 25, 10, 5, 1}

G6-B: {10, 6, 11, 6, 12, 15, 6, 4, 2}

11 Compare the means of the two data sets above.

The savings of 10 friends are shown in the data set below. All amounts are in AED.

 $\{10, 10, 20, 20, 30, 30, 30, 40, 50, 60\}$

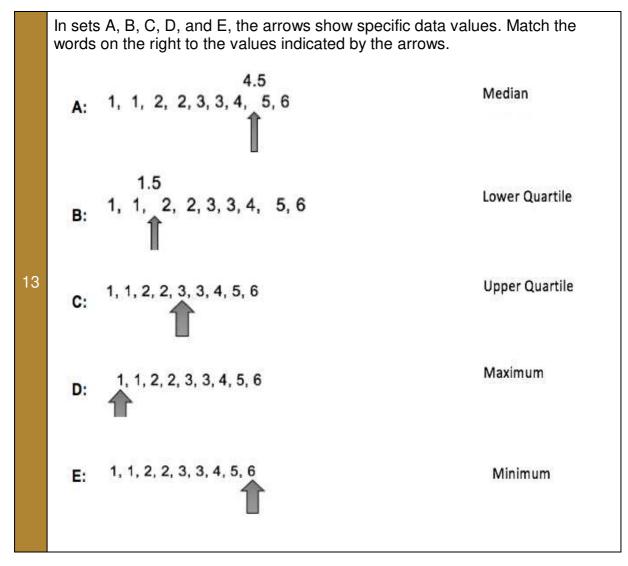
Complete the table below using the data above.

minimum savings	
median	
range	
mode	

12



Matching Response: CALCULATOR ALLOWED



Selected Response	/10
Constructed Response	/15
Total Marks	/25
Percentage	/100%





Answer Key

Selected Response

01	
Q1	D
Q2	С
Q3	В
Q4	А
Q5	В
Q6	С
Q7	В
Q 8	А
Q9	С
Q10	А

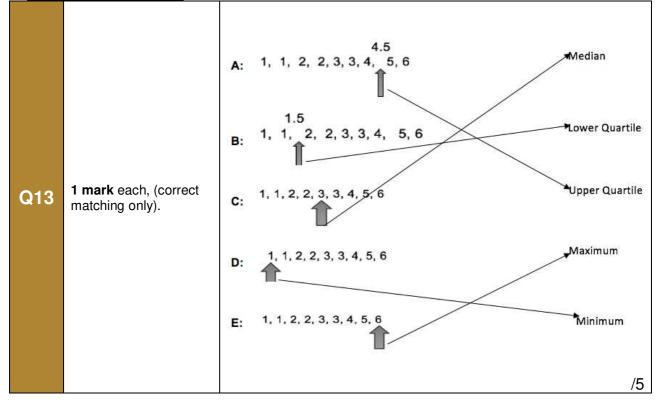
Constructed Response

	constructed nesponse				
Q11	Showing addition (all data points) and division by 9 [1 mark] Mean value of 10 [1 mark correct answer only] Showing addition (all data points) and division by 9 [1 mark] Mean value of 8 [1 mark correct answer only] Comparing the two	Mean = $\frac{10+7+12+6+14+25+10+5+1}{9}$ = $\frac{90}{9} = 10$ G6-B: {10, 6, 11, 6, 12, 15, 6, 4, 2} Mean = $\frac{10+6+11+6+12+15+6+4+2}{9}$ = $\frac{72}{9} = 8$ The average (mean) grade in G6-A is greater than the average grade in G6-B. Or G6-A has higher mean/average than G6-B.			
	averages: e.g. G6-A has higher mean than G6-B [2 marks]			6	
Q12	1 mark each, (correct answer only).	Minimum savings Median Range Mode	AED 10 $\frac{30+30}{2} = \frac{60}{2} = AED 30$ $60 - 10 = AED 50$ AED 30		
			//	4	



Content and Skills Assessment 2

Matching Response:





Content and Skills Assessment 2

Question Analysis Information

Use the information below to help you determine which student learning outcomes are not being met by the majority of your students. This will help you make determinations about re-teaching, spiraling content not mastered, and implementing other interventions without interrupting the scheme of work.

Question	Student Learning Outcome(s)
1	6.sp.1 Identify and design a statistical question.
2	6. <i>sp.</i> 2 Display numerical data using dot plots, histograms, and box plots and make observations in terms of the data display.
3	6. <i>sp</i> .3 Report the number of observations in a data set or display.
4	 6.sp.4 Describe attributes of data being collected including how it is measured and its units of measurement. 6.sp.5 Calculate quantitative measures of center and variability in a reaworld context.
5	 6.sp.6 Identify outliers from the overall pattern of the data distribution in the context of the investigations. 6.sp.7 Determine the effects of outliers on the quantitative measures of a set of data. 6.sp.8 Choose appropriate measures of center and variability to describe a set of data in the context of a problem.
6	6. <i>sp.</i> 3 Report the number of observations in a data set or display.
7	6. <i>sp.</i> 5 Calculate quantitative measures of center and variability in a reaworld context.
8	6. <i>sp.</i> 5 Calculate quantitative measures of center and variability in a rea- world context.
9	6. <i>sp</i> .10 Calculate and compare measures of center and measures of spread for data sets.
10	 6.sp.3 Report the number of observations in a data set or display. 6.sp.7 Determine the effects of outliers on the quantitative measures of a set of data.
11	6. <i>sp</i> .10 Calculate and compare measures of center and measures of spread for data sets.
12	6. <i>sp</i> .5 Calculate quantitative measures of center and variability in a rea- world context.
13	 6.sp.9 Examine the distribution of a data set and discuss the center, spread, and overall shape with dot plots, histograms, and box plots. 6.sp.10 Calculate and compare measures of center and measures of spread for data sets.