

## حل نموذج اختبار تجريبي وفق الهيكل الوزاري منهج ريفيل



### تم تحميل هذا الملف من موقع المناهج الإماراتية

موقع المناهج ← المناهج الإماراتية ← الصف السادس ← رياضيات ← الفصل الثالث ← ملفات متنوعة ← الملف

تاريخ إضافة الملف على موقع المناهج: 23:10:26 2025-06-14

ملفات اكتب للمعلم اكتب للطالب ا اختبارات الكترونية ا اختبارات ا حلول ا عروض بوربوينت ا أوراق عمل  
منهج انجليزي ا ملخصات وتقارير ا مذكرات وبنوك ا الامتحان النهائي للمدرس

المزيد من مادة  
رياضيات:

### التواصل الاجتماعي بحسب الصف السادس



صفحة المناهج  
الإماراتية على  
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

### المزيد من الملفات بحسب الصف السادس والمادة رياضيات في الفصل الثالث

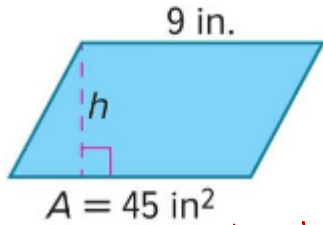
نموذج اختبار تجريبي وفق الهيكل الوزاري منهج ريفيل بدون الحل	1
تجميعية أسئلة مراجعة وفق الهيكل الوزاري منهج ريفيل بدون الحل	2
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Name: .....

Grade 6 / .....

## Model 1

1) Find the missing dimension of the parallelogram.



A) 3 in

B) 4 in

C) 5 in

D) 6 in

you can also try to see which one will give the correct answer

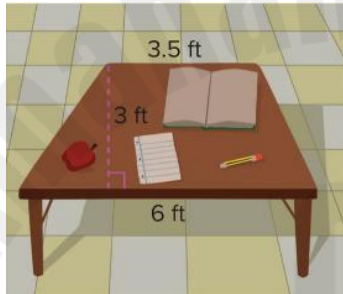
$$A = bh$$

$$45 = 9h$$

$$\frac{45}{9} = \frac{9h}{9}$$

$$h = 5 \text{ in}$$

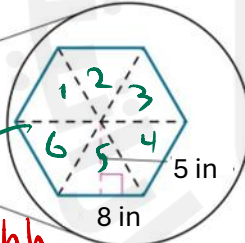
3) A teacher's small-group table is in the shape of a trapezoid. Find the area of the table.

A)  $20 \text{ ft}^2$ B)  $15.5 \text{ ft}^2$ C)  $16 \text{ ft}^2$ D)  $14.25 \text{ ft}^2$ 

$$A = \frac{1}{2} (b_1 + b_2) h$$

$$A = \frac{1}{2} (3.5 + 6) \times 3 = 9.5 \times 1.5 = 14.25 \text{ ft}^2$$

5) Find the area of the hexagon.

A)  $200 \text{ in}^2$ B)  $120 \text{ in}^2$ C)  $160 \text{ in}^2$ D)  $130 \text{ in}^2$ 

$$A = \frac{1}{2} bh$$

triangle

$$A = \frac{1}{2} \times 8 \times 5 = \frac{1}{2} \times 40 = 20 \text{ in}^2$$

we have 6 triangles

$$A_{\text{total}} = 6 \times 20 = 120 \text{ in}^2$$

7) Which of the following questions is a statistical question?

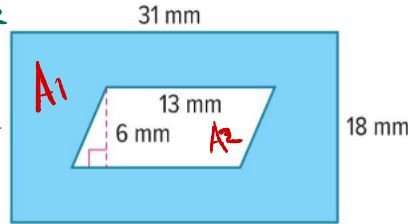
A) How many schools are there in Sharjah?

B) How many hours do you typically spend studying each week?

C) How many oceans are there in the world?

D) What is the distance between Dubai and Abu Dhabi?

2) Find the area of the shaded region.

A)  $380 \text{ mm}^2$ B)  $470 \text{ mm}^2$ C)  $441 \text{ mm}^2$ D)  $480 \text{ mm}^2$ 

$$A_1 = 31 \times 18 = 558 \text{ mm}^2$$

$$A_2 = 13 \times 6 = 78 \text{ mm}^2$$

$$A_{\text{shaded}} = A_1 - A_2 = 558 - 78 = 480 \text{ mm}^2$$

$$\begin{array}{r} 31 \\ \times 18 \\ \hline 248 \\ 310 \\ \hline 558 \end{array}$$

4) Find the missing dimension of the trapezoid.

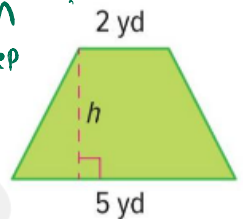
A) 3 yd

B) 4 yd

C) 5 yd

D) 6 yd

you can also keep trying



$$A = \frac{1}{2} (b_1 + b_2) h$$

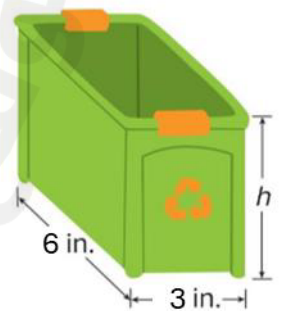
$$21 = \frac{1}{2} (5 + 2) h$$

$$42 = 7h \Rightarrow h = 6 \text{ yd}$$

6) The rectangular prism shown has a volume of 72 cubic inches. What is the height of the prism?

A)  $4 \text{ in}^3$ B)  $5 \text{ in}^3$ C)  $6 \text{ in}^3$ D)  $7 \text{ in}^3$ 

you can try



$$V = lwh$$

$$72 = 6 \times 3 \times h$$

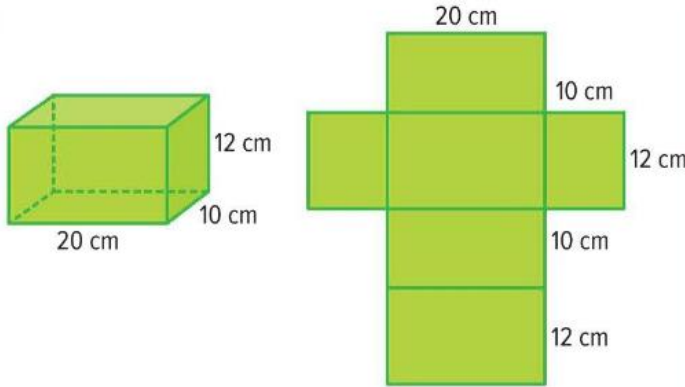
$$72 = 18h$$

$$\frac{72}{18} = \frac{18h}{18} \Rightarrow h = 4 \text{ in}$$

تقبل الجواب  
عند التجربة واحدة

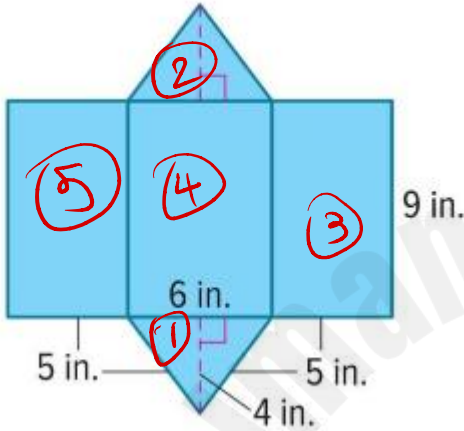
$$SA = 2Lw + 2Lh + 2wh$$

8) Find the surface area of the rectangular prism shown in the figure below.



- A.  $(2 \times 20 \times 10 + 2 \times 20 \times 12 + 2 \times 10 \times 12) \text{ cm}^2$   
 B.  $(2 \times 20 \times 20 + 2 \times 12 \times 12 + 2 \times 10 \times 10) \text{ cm}^2$   
 C.  $(2 \times 10 + 2 \times 20 \times 12 + 2 \times 10 \times 12) \text{ cm}^2$   
 D.  $(20 \times 10 + 2 \times 20 \times 12 + 2 \times 10 \times 12) \text{ cm}^2$

9) Use the net to find the surface area of the triangular prism.



- A)  $340 \text{ in}^2$   
 B)  $220 \text{ in}^2$   
 C)  $168 \text{ in}^2$   
 D)  $138 \text{ in}^2$

$$A_1 = \frac{1}{2} \times 6 \times 4 = 12 \text{ in}^2$$

$$A_2 = 12 \text{ in}^2$$

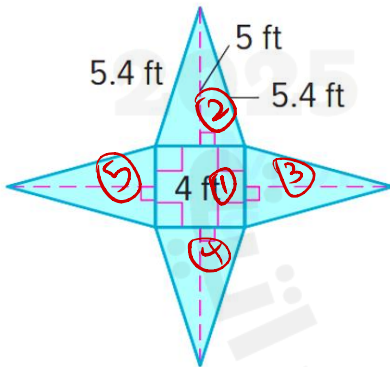
$$A_3 = 9 \times 6 = 54 \text{ in}^2$$

$$A_4 = 9 \times 6 = 54 \text{ in}^2$$

$$A_5 = 9 \times 6 = 54 \text{ in}^2$$

$$SA = 12 + 12 + 54 + 54 + 54 = 168 \text{ in}^2$$

10) Use the net to find the surface area of the square pyramid.



- A)  $56 \text{ ft}^2$   
 B)  $16 \text{ ft}^2$   
 C)  $40 \text{ ft}^2$   
 D)  $50 \text{ ft}^2$

$$A_1 = 4 \times 4 = 16$$

$$A_2 = \frac{1}{2} \times 4 \times 5.4 = 10.8$$

Since we have 4 triangles

$$SA = 16 + 4(10.8)$$

$$= 16 + 43.2 = 59.2$$

11) Ahmed's four quiz scores are shown in the table. What score does Ahmed need to earn on his fifth quiz to have mean quiz score of 90.

Ahmed's Quiz Scores				
درجات اختبارات أحمد				
88	95	93	80	?

$$\text{Mean} = \frac{\text{sum of all number}}{\text{numbers}}$$

A) 88

B) 95

C) 94

D) 93

90

$$90 = \frac{88 + 95 + 93 + 80 + x}{5}$$

$$40 \times 5 = 356 + x$$

$$450 = 356 + x$$

$$-356 \quad -356$$

$$x = 94$$

12) What is the **range** of the animal speeds shown in the table.

Animal	Speed (mph)
Housecat	30
Cheetah	70
Elephant	25
Lion	50
Mouse	8
Spider	1

Range = greatest - lowest  
= 70 - 1  
= 69

- A) 69 mph
- B) 70 mph
- C) 50 mph
- D) 30 mph

13) The box plots below shows the daily attendance at a fitness club. Which value is considered an **outlier** in the data set?

- A) 25
- B) 70
- C) 90
- D) 110



14) The histogram shows the number of visitors to a museum. Where is a **gap** found?

فراغ

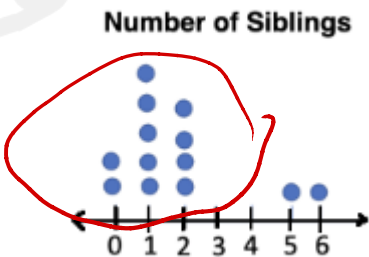
- A) 100-120 visitors
- B) 121-141 visitors
- C) 142-225 visitors
- D) 100-225 visitors



15) The dot plot shows the number of siblings each student has. Where is a **cluster** found?

تجمع

- A) There is a cluster from 0 to 2 siblings.
- B) There is a cluster from 2 to 5 siblings.
- C) There is a cluster from 3 to 4 siblings.
- D) There is a cluster from 5 to 6 siblings.



1) Raphael drives a standard-sized dump truck with a rectangular prism shaped bed. The **volume** of the bed of the truck is 720 cubic feet. If the **length** of the bed is 15 feet and the **width** is 8 feet, what is the **height** of the bed of the dump truck?

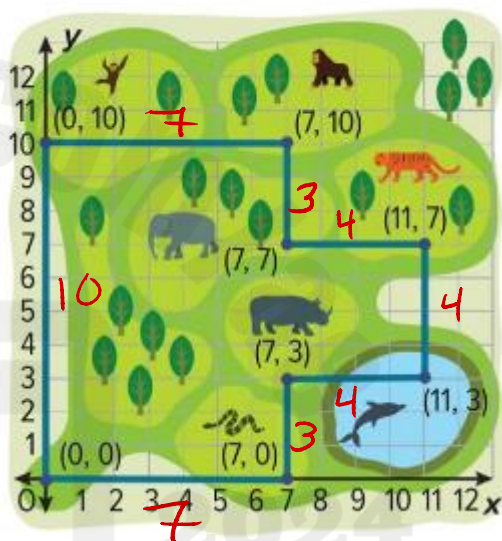
$$V = lwh$$

$$720 = 15 \times 8 \times h$$

$$\frac{720}{120} = \frac{120h}{120} \Rightarrow h = 6 \text{ ft}$$

2) Find the **perimeter** of the exhibit shown on the coordinate plane.

$$\begin{aligned} P &= 7 + 3 + 4 + 4 + 4 + 3 + 7 + 10 \\ &= 10 + 12 + 10 + 10 \\ &= 42 \text{ units} \end{aligned}$$



3) Find the **Error A** student is finding the height of the triangle. Find the student's mistake and correct it.

$$A = \frac{1}{2}bh$$

$$17h = 68$$

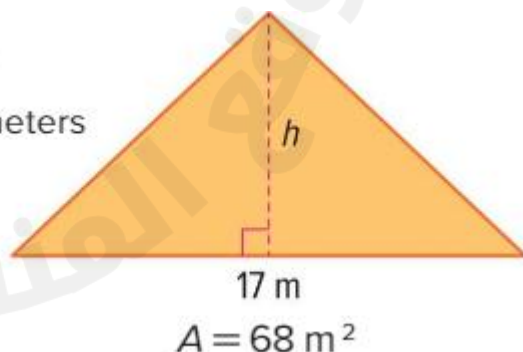
$$h = 4 \text{ meters}$$

$$68 = \frac{1}{2} \times 17h$$

$$2 \times 68 = 17h$$

$$\frac{136}{17} = \frac{17h}{17}$$

$$h = 8 \text{ m}$$



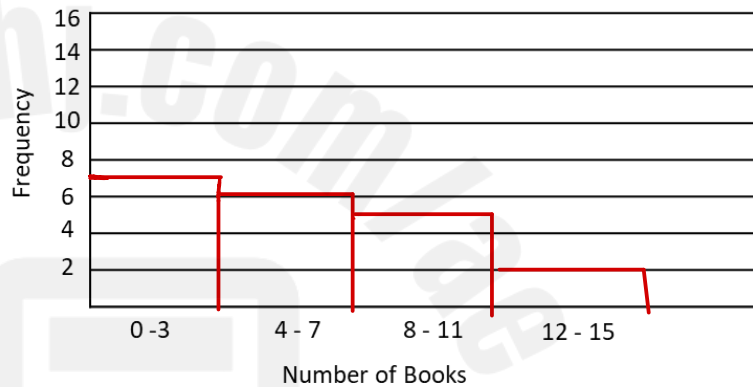
Number of Books				
2	3	8	4	0
5	7	12	6	7
0	11	10	13	3
1	4	3	9	8

4. The table above shows the number of books a group of students have read on vacation.

A. Complete the frequency table to organize the data.

Reading Books	
Number of Books Read	Frequency
0 - 3	7
4 - 7	6
8 - 11	5
12 - 15	2

B. Construct a histogram to represent the data.



5. Fatima surveyed her friends about the number of games they play in one week. The responses were: 5, 6, 8, 9, 8, 4, 9, 8, 7, 10, 20.

step 1 sort ~~4, 5, 6, 6, 7, 8, 8, 9, 9, 10, 20~~

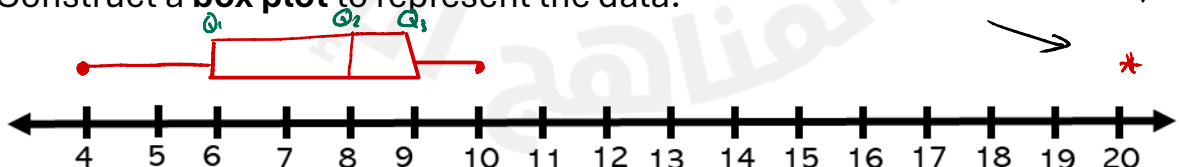
A. Find the **median**, the **first and third quartiles**.

Median = 8

$Q_1 = 6$

$Q_3 = 9$

B. Construct a **box plot** to represent the data.



outlier

لكيد