End of Term 3 Exam	امتحان الفصل الدراسي الثّالث
Academic Year: 2017/2018	العام الدراسي: 2018/2017
Grade & Stream: 6	الصف والمسار: السادس
Subject: MATH	المادة: الرياضيات

VISION 2021 رؤية

YEAR OF ZAYED عام زايـد

المدرسة الإماراتية

This table is to be filled by markers

يملأ هذا الجدول بدقّة تامّة من قبل لجنة التّقدير.

المراجـع Reviser	المقــدّر 2 Marker 2	المقــدّر 1 Marker 1	Mark / الدّرجة		جميع الأسئلة All Questions
			كتابــــــــة In Words	رقمـــــاً In Figures	

المراجع العام Moderator	راجعهـــا Revised	جمعهـــا Summed	كتابـــــــة In Words	رقمـــاً In Figures	الدرجة Mark
					الدّرجة المســتحقّة Allotted Mark
			مائـــــة	100	الدّرجة الكليّة Full Mark

Gr 06_ADEK_MATH

United Arab Emirates
Ministry of Education

الإمــارات العـربيـة المتحـدة
وزارة التـربيـة والـتعلـيـم

Grade: 6

Stream: General

Subject: Mathematics
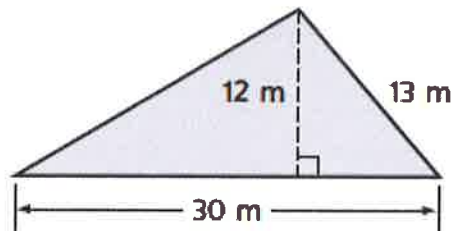
End of Term 3 Exam
Academic Year 2017/2018

Number of Pages: (6)

100

Circle the letter corresponding to the correct answer.

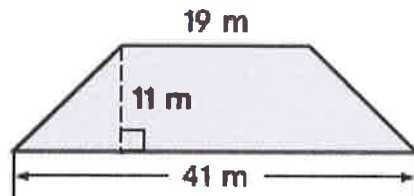Images are not drawn to scale.

1. Find the area of the triangle.

12 m   13 m

30 m

    a) $180\,\text{m}^2$ b) $225\,\text{m}^2$

    c) $360\,\text{m}^2$ d) $450\,\text{m}^2$

2. Find the area of the trapezoid.

19 m

11 m

41 m

    a) $275\,\text{m}^2$ b) $550\,\text{m}^2$

    c) $330\,\text{m}^2$ d) $660\,\text{m}^2$

3. A rectangular prism has a volume of 1600 cubic meters, a height of 10 meters, and a length of 20 meters. What is the measure of the width of the prism?
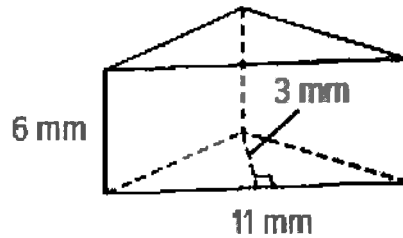
    a) 6 m   b) 8 m

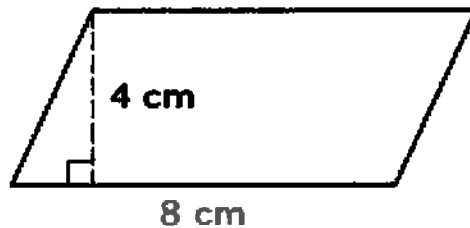   c) 7 m   d) 10 m

1

4. Find the volume of the object.

3 mm

6 mm

11 mm

a) 33 mm^3

b) 198 mm^3

c) 99 mm^3

d) 231 mm^3

5. Find the area of the shape.

4 cm

8 cm

a) 64 cm^2

b) 12 cm^2

c) 32 cm^2

d) 16 cm^2

6. Wafa put a gift in a box with measures of 15 by 8 by 3 centimeters. Find the surface area of the box.

15 cm

8 cm

3 cm
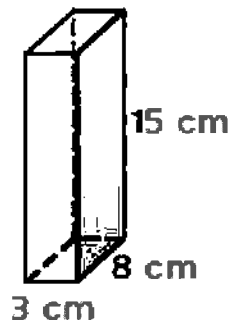
a) 378 cm^2

b) 288 cm^2

c) 189 cm^2

d) 26 cm^2

7. **Find the area of the shaded shape in square units.**
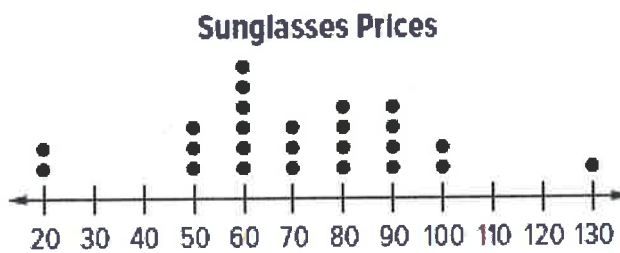
a) 20

b) 24

c) 28
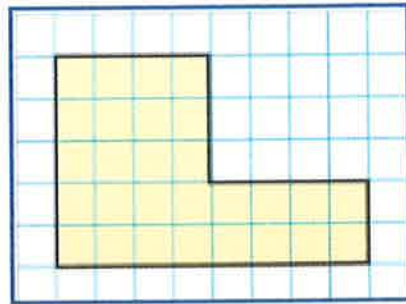
d) 30

8. **Use the dot plot which shows the prices for different pairs of sunglasses. What is the range of the data?**

Sunglasses Prices

20 30 40 50 60 70 80 90 100 110 120 130

a) 60

b) 130

c) 75

d) 110

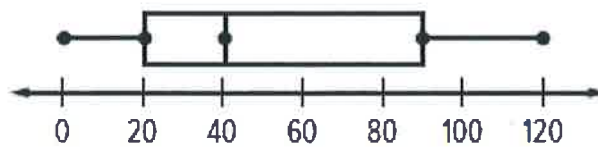9. **What is the median of the following ages of people attending a concert: 2, 7, 41, 25, 19, 22, 28, 32, and 24?**

a) 17

b) 22

c) 24

d) 41

3

10. Use the box plot. It shows the number of days on the market for single family homes in a city. What is the interquartile range of the data?

Home Sales: Days on the Market

a) 70

b) 40

c) 90

d) 120

11. The table shows the number of hours Nesrin spent sleeping each night for 4 nights. What is the mean of the data?

Hours Spent Sleeping			
8	7	7	8

a) 7

b) 7.5

c) 8

d) 8.5

12. The frequency table below shows the number of books read on vacation by the students in Mrs. Noha's class. How many students read six or more books?

Number of Books Read		
Books	Tally	Frequency
0–2	ЖНТ	6
3–5	ЖНТ ЖНТ	10
6–8	ЖНТ ||	7
9–11	|||	3
12–14	||||	4

a) 10

b) 14

c) 23

d) 7

4

13. Solve the equation $p - 16 = 24$.

a) $p = 12$ b) $p = 30$

c) $p = 40$ d) $p = 8$

14. Solve the equation $5k = 15$.

a) $k = 3$ b) $k = 10$

c) $k = 20$ d) $k = 75$

15. Solve the equation $m - \dfrac{1}{3} = \dfrac{2}{3}$.

a) $m = \dfrac{1}{3}$ b) $m = \dfrac{2}{3}$

c) $m = \dfrac{3}{3}$ d) $m = \dfrac{4}{3}$

16. Solve the equation $8 = \dfrac{2}{5}f$.

a) $f = 8 \times \dfrac{2}{5}$ b) $f = 8 \times \dfrac{5}{2}$

c) $f = 8 \div \dfrac{5}{2}$ d) $f = 8 - \dfrac{2}{5}$

17. Find the next term in the sequence: 1, 4, 7, 10, ...

a) 3   b) 13

c) 17   d) 27

18. Solve the inequality $n - 7 > 19$.

a) $n > 12$ b) $n < 12$

c) $n > 26$ d) $n < 26$

19. Which inequality can be represented by the number line below?

a) $6n > 24$ b) $6n \geq 24$

c) $6n \leq 24$ d) $6n < 24$

20. Find the rule for the function shown in the table.

Input (x)	0	1	2	3	4
Output (y)	0	4	8	12	16

a) $y = 8x$ b) $y = 16x$

c) $y = 12x$ d) $y = 4x$

End of Exam

Best of Luck