

نموذج تجميعية أسئلة وفق الهيكل الوزاري القسم الكتابي منهج ريفيل



تم تحميل هذا الملف من موقع المناهج الإماراتية

موقع المناهج ← المناهج الإماراتية ← الصف الثاني عشر العام ← رياضيات ← الفصل الأول ← ملفات متنوعة ← الملف

تاريخ إضافة الملف على موقع المناهج: 11:04:36 2025-10-17

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

المزيد من مادة
رياضيات:

إعداد: Daher Maysa

التواصل الاجتماعي بحسب الصف الثاني عشر العام



صفحة المناهج
الإماراتية على
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف الثاني عشر العام والمادة رياضيات في الفصل الأول

ملخص دروس الوحدة الثانية functions polynomal and Polynominals منهج ريفيل

1

أسئلة اختبار تجريبي الكتروني وكتايي

2

أوراق عمل مراجعة الدرس الثامن المتباينات التربيعية من الوحدة الأولى

3

أوراق عمل مراجعة الدرس السابع تحويلات الدوال التربيعية من الوحدة الأولى

4

أوراق عمل مراجعة الوحدة الخامسة functions Exponential الدوال الأسية منهج ريفيل

5

تربية
وتعليم



Test Your self (written part) Al Tomooh School 2025-2026

Term 1/G9Gen

Done By : Ms Maysa Daher

WRITTEN EXAM

Grade 7 Math - Unit 1			
	21	Evaluate algebraic expressions by using the order of operations	(42-53) 19
	22	Solve equations for specific variables. (2-7)	(19-22) 125
	23	Solve equations by applying the Distributive Property	(21-24) 98
	24	Graph linear functions by using the x- and y-intercepts	(9-14) 216
	25	Calculate and interpret rate of change.	(3-6) 225

MI.LI

42. $62 - 3^2 8 + 11$

43. $4^3 \div 8$

44. $20 + 3(8 - 5)$

45. $3[4 - 8 + 4(2 + 5)]$

46. $\frac{2 \cdot 8^2 - 2^2 \cdot 8}{2 \cdot 8}$

47. $25 + \left[(16 - 3 \cdot 5) + \frac{12 + 3}{5} \right]$

48. $7^3 - \frac{2}{3} (13 \cdot 6 + 9)4$

M.I.L.I

Example 6

49. **BIOLOGY** Lavania is studying the growth of a population of fruit flies in her laboratory. After 6 days, she had nine more than five times as many fruit flies as when she began the study. If she observes 20 fruit flies on the first day of the study, write and evaluate an expression to find the population of fruit flies Lavania observed after 6 days.

- Write an expression for the population of fruit flies Lavania observed after 6 days.
- Find the population of fruit flies Lavania observed after 6 days.

50. **PRECISION** The table shows how scores are calculated at diving competitions. Each of the five judges scores each dive from 1 to 10 in 0.5-point increments. Tyrell performs a dive with a degree of difficulty of 2.5. His scores from the judges are 8.0, 7.5, 6.5, 7.5, and 7.0.

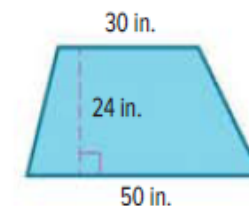
- Write an expression to find Tyrell's score for the dive.
- What was Tyrell's score for the dive?

Calculating a Diving Score

Step 1	Drop the highest and lowest of the five judges' scores.
Step 2	Add the remaining scores to find the raw score.
Step 3	Multiply the raw score by the degree of difficulty.

51. **RAMP** The side panel of a skateboard ramp is a trapezoid, as shown.

- Write an expression to find the amount of wood needed to build the two side panels of a skateboard ramp.
- How much wood is needed to build the two side panels of a skateboard ramp?



Example 8

52. **SKIING** The cost of a ski trip is shown. The Sanchez family wants to purchase lift tickets for 2 adults and 3 children. They also need to rent 2 complete pairs of skis. If they also buy a 16-ounce hot chocolate for each person, find the total cost of the ski trip.

Lift Tickets		Rentals		Hot Chocolate	
Children	\$34	Skis	\$32	12 oz	\$3
Seniors	\$36	Poles Only	\$10	16 oz	\$4
Adults	\$42	Snowboards	\$29	20 oz	\$5

Mixed Exercises

Write a numerical expression for each verbal expression.

53. eight to the fourth power increased by six

M2.L7

Example 3

19. RECTANGLES The formula $P = 2\ell + 2w$ represents the perimeter of a rectangle. In this formula, ℓ is the length of the rectangle and w is the width.

- Solve the formula for ℓ .
- Find the length when the width is 4 meters and the perimeter is 36 meters.

20. BASEBALL The formula $a = \frac{h}{b}$ can be used to find the batting average a of a batter who has h hits in b times at bat.

- Solve the formula for b .
- If a batter has a batting average of 0.325 and has 39 hits, how many times has the player been at bat?

21. SHOPPING Thomas went to the store to buy videogames for \$13.50 each and controllers. The total amount Thomas spent can be represented by $c = 13.50g + p$, where c is the total cost, g is the number of games he bought, and p is the cost of the controllers. The controllers cost \$55 and Thomas spent \$136 total.

- Solve the equation for g .
- Find how many games Thomas bought.

22. GEOMETRY The volume of a box V is given by the formula $V = \ell wh$, where ℓ is the length, w is the width, and h is the height.

- Solve the formula for h .
- What is the height of a box with a volume of 50 cubic meters, length of 10 meters, and width of 2 meters?

M2.L7

Solve $2 - ax = -8$

For x . Assume $a \neq 0$

المعادلة $2 - ax = -8$

ناد x . بفرض أن $a \neq 0$

M2.L4

$$21. 3 \cdot 10.2$$

$$22. 5 \left(4 \frac{1}{5} \right)$$

Examples 3 and 4

Rewrite each expression using the Distributive Property. Then simplify.

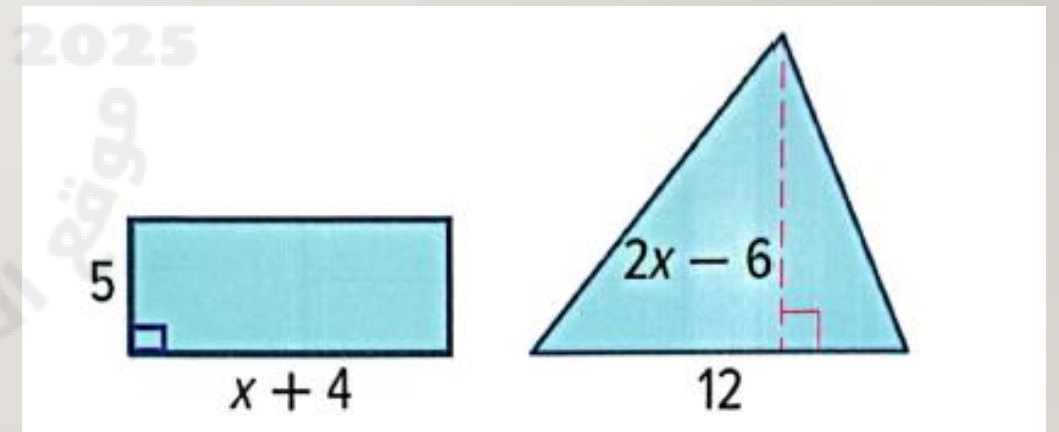
$$23. 2(x + 4)$$

$$24. (5 + n)3$$

2024-2025

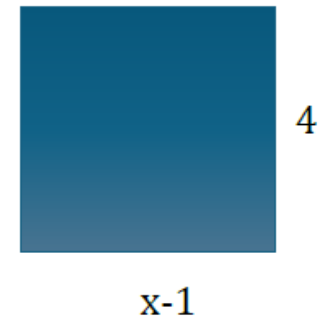
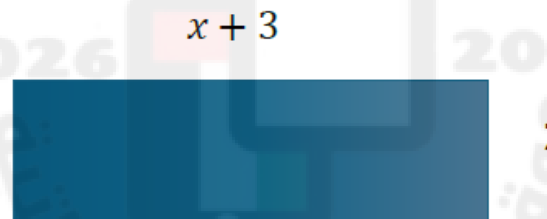
M2.L4

Find the value of x so that the figures have the same area.



M2.L4

Write and solve an equation to find the value of x so that the figures have the same area.



M4.L1

Example 5

Graph each equation by using the x - and y -intercepts.

9. $y = 4 + 2x$

10. $5 - y = -3x$

11. $x = 5y + 5$

12. $x + y = 4$

13. $x - y = -3$

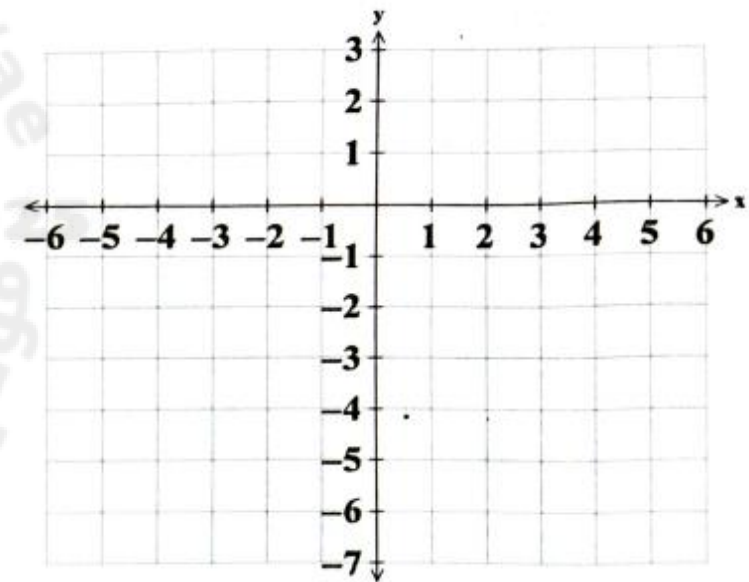
14. $y = 8 - 6x$

FIND THE X-INTERCEPT & Y-INTERCEPT

M4.L1

.THEN GRAPH

$$Y = \frac{3}{5}x - 2$$



M4.L1

Question	11	السؤال
Find the x –intercept and y –intercept of the graph of the equation.	$5x + 3y = 15$	أوجد المقطع مع المحور x و المقطع مع المحور y لتمثيل المعادلة.

M4.L2

3. **POPULATION DENSITY** The table shows the population density for the state of Texas in various years. Find the average annual rate of change in the population density from 2000 to 2009.

Population Density	
Year	People Per Square Mile
1930	22.1
1960	36.4
1980	54.3
2000	79.6
2009	96.7

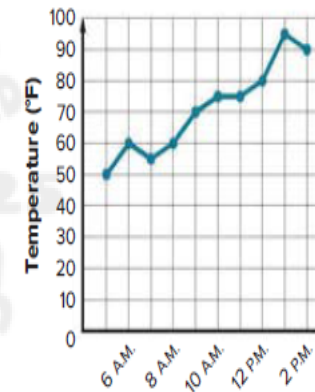
Source: Bureau of the Census,
U.S. Dept. of Commerce

4. **BAND** In 2012, there were approximately 275 students in the Delaware High School band. In 2018, that number increased to 305. Find the annual rate of change in the number of students in the band.

Example 2

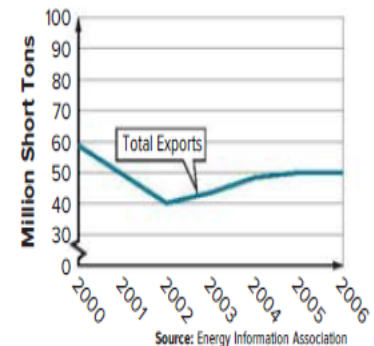
5. **TEMPERATURE** The graph shows the temperature in a city during different hours of one day.

- Find the rate of change in temperature between 6 A.M. and 7 A.M. and describe its meaning in the context of the situation.
- Find the rate of change in temperature from 1 P.M. and 2 P.M. and describe its meaning in the context of the situation.



6. **COAL EXPORTS** The graph shows the annual coal exports from U.S. mines in millions of short tons.

- Find the rate of change in coal exports between 2000 and 2002 and describe its meaning in the context of the situation.
- Find the rate of change in coal exports between 2005 and 2006 and describe its meaning in the context of the situation.



M4.L2

Question	8	السؤال								
Find the rate of change of the function by using two points from the table.		أوجد معدل التغير باستخدام نقطتين من الجدول.								
<table><tr><th>x</th><th>y</th></tr><tr><td>1</td><td>15</td></tr><tr><td>2</td><td>9</td></tr><tr><td>3</td><td>3</td></tr></table>			x	y	1	15	2	9	3	3
x	y									
1	15									
2	9									
3	3									