

وزارة التربية والتعليم
MINISTRY OF EDUCATION

اختبار الوحدة الثالثة الرياضيات ريفيل الصف الثامن

الفصل الأول لعام 2026 - 2027

اِحجِزْ مَكانَكَ وَاستَعِدَّ لِلْامتِحَانِ بِثِقَةٍ كَامِلَةٍ

احصل على الشرح الكامل للصف من خلال:

التواصل والحجز عبر الـ Whatsapp
اضغط على الرقم: 0566991363



للتواصل والحجز

للانتقال إلى المواقع
اضغط هنا

شرح الدروس

انضم للقناة

Mr. Aghead

MR. AGHEAD 0566991363

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يمكنكم الحصول على

شرح دروس الفصل كاملاً

بـ 99 درهم فقط

- اختبارات مع الحل
- ملزمة محلولة بالكامل

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لا تتردد في التواصل معنا قم بمسح الـ QR

اختبار الوحدة الثالثة

الأسئلة الموضوعية - MCQ

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Question 1: Solve the equation: $\frac{1}{2}x - 5 = 10 - \frac{3}{4}x$

A. $x = 12$
B. $x = 6$
C. $x = 20$
D. $x = -12$

Question 2: Twelve more than seven times a number equals the number less six. Solve the equation $7x + 12 = x - 6$ to find the number, x.

A. $x = 3$
B. $x = -9$
C. $x = -3$
D. $x = -2$

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Question 3: For an annual membership fee of $186, Jacy can join the local pool that would allow him to take diving lessons for $10 each session with an instructor. Without the membership, the pool charges $25.50 for each diving lesson with an instructor. Solve the equation $186 + 10x = 25.5x$ to find how many diving lessons x Jacy can take for the cost to be the same with and without a membership.

A. 12 diving lessons
B. 10 diving lessons
C. 15 diving lessons
D. 18 diving lessons

Question 4: Marko has 45 comic books in his collection, and Tamara has 61 comic books. Marko buys 4 new comic books each month and Tamara buys 2 comic books each month. After how many months will Marko and Tamara have the same number of comic books?

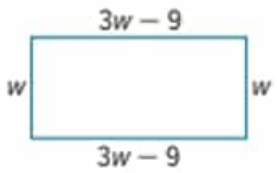
A. 16 months
B. 8 months
C. 4 months
D. 2 months

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Question 5: A bicycle rental company charges a $20 fee plus $5.50 per hour to rent a bicycle. Another bicycle rental company charges a $15 fee plus $6.50 per hour to rent a bicycle. For what number of hours is the cost for the rental the same?

A. 10 hours
B. 1 hours
C. 35 hours
D. 5 hours

Question 6: Aiden is replacing the tile in a rectangular kitchen. The length of the kitchen is nine feet shorter than three times its width, w. The perimeter of the kitchen is six times the width. If tiles cost $1.69 a square foot, what is the total cost to tile the kitchen?



A. $162.00
B. $275.40
C. $243.36
D. $273.78

Question 7: Solve the equation: $12 - (4y + 8) = 0.5(8y - 16)$

A. $y = 0.75$
B. $y = 1.5$
C. $y = 2$
D. $y = -1.5$

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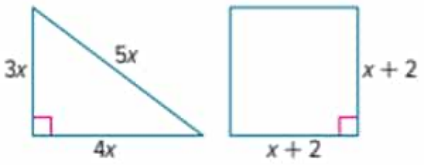
احصل على الشرح كاملاً بـ 99 درهم فقط

Question 8: At a health club, 96 members participate in the morning workout, and this number has been increasing by 2 people per week. In the afternoon, 80 members participate, and this number is decreasing by 3 people per week. Solve $96 + 2w = 2(80 - 3w)$ to find in how many weeks w the number of people working out in the morning will be double the number of people working out in the afternoon.

A. 4 weeks
B. 64 weeks
C. 8 weeks
D. 16 weeks

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Question 9: The triangle and the square shown have the same perimeter. Solve the equation $3x + 4x + 5x = 4(x + 2)$ to find the value of x. Then find the length of one side of the square.



A. $x = 2, side = 4$
B. $x = 8, side = 10$
C. $x = 1, side = 3$
D. $x = 0.5, side = 2.5$

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Question 10: Mr. Reed is drawing a blueprint of a rectangular patio. The width of the patio is $40\frac{3}{4}$ feet shorter than twice its length. The perimeter of the patio is $86\frac{1}{2}$ feet. What is the length of the patio?

A. 28 feet
B. 15.25 feet
C. 43.25 feet
D. 56 feet

Question 11: Four siblings have a dog walking business. The table shows the hours worked by each sibling. Each sibling earns $25.50 per hour and the total number of hours worked is represented by $10h + 15$, where h represents the number of hours Michael worked. What was the total amount the siblings earned?

Sibling	Hours Worked
Martin	$2.5h + 3$
Emilio	$4(h - 2)$
Michael	h
Mario	31

A. $1,122.00
B. $1,530.00
C. $739.50
D. $1,504.50

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Question 12: Solve the equation: $6(3-5w)=5(4-2w)-20w$

A. $w=0$
B. Infinitely many solutions, because both sides are identical
C. No solution, because the variables cancel leaving a false statement (18 = 20)
D. $w=2$

Question 13: Complete the equation so that it has infinitely many solutions:
$2x-7(x+10)=\square x-\square$

A. $5\ and\ -70$
B. $-5\ and\ 70$
C. $5\ and\ 70$
D. $-5\ and\ -70$

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Question 14: Daniel and Fatima are analyzing the expressions below for all values of x. Daniel claims that the value of these expressions is always equal. Fatima claims that the value of the expression on the left is always greater than the value of the expression on the right. Which student is correct? $0.6(-7x + 9)$ *and* $4(x - 3) - (-8 + 8.2x)$

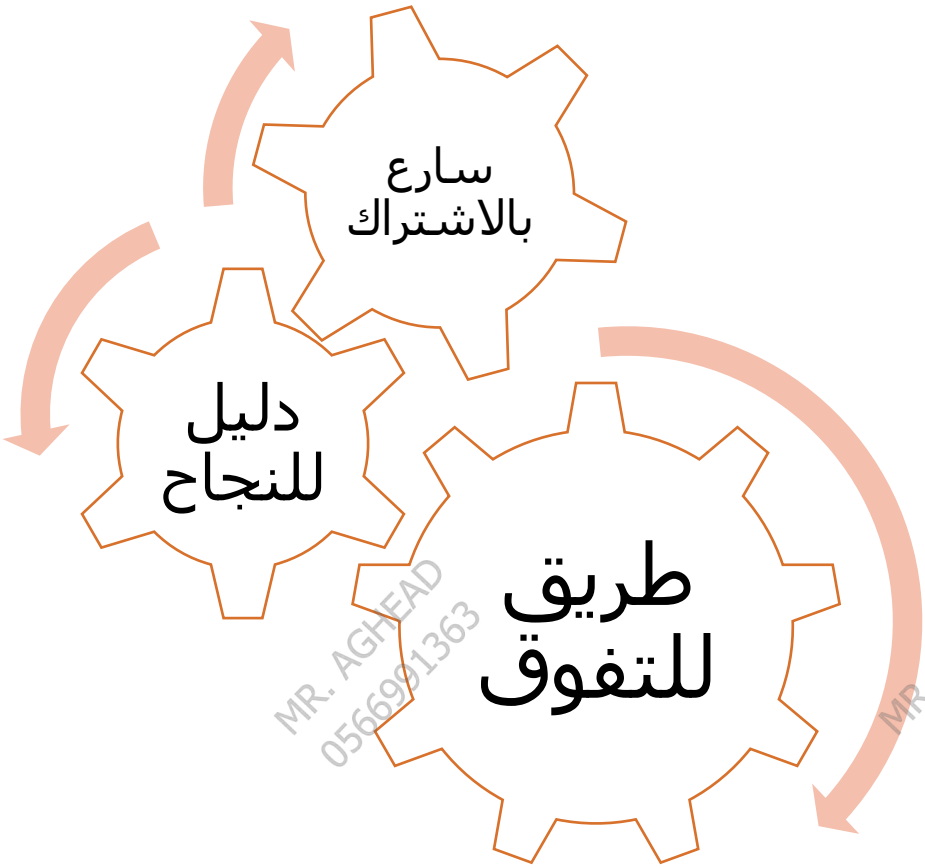
A. Fatima, because the left simplifies to $-4.2x + 5.4$ and the right to $-4.2x - 4$, so the left is always 9.4 greater
B. Daniel, because both expressions simplify to $-4.2x$
C. Fatima, because the left expression is always 9.4 less than the right
D. Neither, because the comparison depends on the value of x

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Question 15: Determine if the statement is true or false. Justify your response.
An equation will always have at least one solution.

A. True; every equation has at least one solution
B. False; because an equation can never have a solution
C. True; because an equation always has infinitely many solutions
D. False; for example, $x + 5 = x + 2$ has no solution because it simplifies to the false statement $5 = 2$

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مع أطيب التمنيات بالنجاح والتوفيق ...

النهاية ...

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