الاختبار الكتابي لنهاية الفصل





تم تحميل هذا الملف من موقع المناهج الإماراتية	
موقع المناهج ⇦ المناهج الإماراتية ⇦ الصف الثامن ⇦ رياضيات ⇦ الفصل الأول ⇦ ملفات متنوعة ⇦ الملف	
تاريخ إضافة الملف على موقع المناهج: 2026-11-15 14:14:13	
المزيد من مادة رياضيات:	ملفات ا كتب للمعلم ا كتب 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 ا للمدرس

التواصل الاجتماعي بحسب الصف الثامن

صفحة المناهج الإماراتية على فيسبوك					
المواد على تلغرام	التربية الاسلامية	اللغة العربية	اللغة الانجليزية	الرياضيات	

المزيد من الملفات بحسب الصف الثامن والمادة رياضيات في الفصل الأول

1	تغطية اختبار – الوحدات من 1 إلى 4
2	هيكل اختبار
3	أسئلة مراجعة اختيار من متعدد لنهاية الفصل - عرض بوربوينت الجزء الثاني
4	مراجعة وفق الهيكل - الجزء الثاني - أسئلة MCQ
5	هيكل تغطية اختبار نهاية الفصل

تحميل تطبيق المناهج للهواتف الذكية

تطبيق المناهج على App Store (آبل)	تطبيق المناهج على Play Google (أندرويد)

GRADE 8 MATHEMATICS EOT1 (WRITTEN)

Name: _____ Period: _____ Date: _____ Score: _____

POWERS AND EXPONENTS (LESSON 1-1)

Question 1: Evaluate $x^3 - y^2$ if $x = 2$ and $y = \frac{3}{4}$.

Question 2: Evaluate $(g + h)^3$ if $g = 2$ and $h = -3$.

Question 3: Replace ⬚ with <, >, or = to make a true statement: $(-3)^4$ ⬚ $(-4)^3$. Justify your answer mathematically.

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Question 4: A scientist estimates that, after a certain amount of time, there would be $2^5 \cdot 3^3 \cdot 10^5$ bacteria in a Petri dish. How many bacteria is this in standard form?

Question 5:

Multiselect Select all of the expressions that evaluate to negative rational numbers.

- ☐ $(-9)^4$
- ☐ $\left(-\frac{4}{5}\right)^3$
- ☐ $3^5 - 10^4$
- ☐ $(9.8)^2 - 10^2$
- ☐ $\left(-\frac{3}{8}\right)^2$

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ZERO AND NEGATIVE EXPONENTS (LESSON 1-4)

Question 6: Express 8^{-4} using a positive exponent.

Question 7: Express y^{-9} using a positive exponent.

Question 8: Express the fraction $\frac{1}{d^6}$ using a negative exponent.

Question 9: Express the fraction $\frac{1}{10^5}$ using a negative exponent.

Question 10: Simplify the expression: $9^4 \cdot 9^{-6}$.

Question 11: Simplify the expression: $y^{-9} \cdot y^3$.

Question 12: Simplify the expression: .

$\frac{x^{-5}}{x^{-12}}$.

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Question 13: Simplify the expression:

$\frac{x^{-13}}{x^{-2}}$.

ESTIMATE IRRATIONAL NUMBERS (LESSON 2-4)

Question 14: Estimate √125 to the nearest integer.

Question 15: Estimate √55 to the nearest integer.

Question 16: Estimate $\sqrt[3]{70}$ to the nearest integer.

Question 17: Estimate $\sqrt[3]{923}$ to the nearest integer.

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Question 18: Estimate √296 to the nearest tenth.

Question 19: Estimate √5 to the nearest tenth.

Question 20: Estimate √11 to the nearest tenth.

Question 21: Estimate √62 to the nearest tenth.

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SOLVE EQUATIONS WITH VARIABLES ON EACH SIDE (LESSON 3-1)

Question 22: Solve the equation and check your solution: -2a - 9 = 6a + 15.

Question 23: Solve the equation and check your solution: 14 + 3n = 5n - 6.

Question 24: Solve the equation and check your solution: $\frac{1}{2}$ x - 5 = 10 - $\frac{3}{4}$ x.

Question 25: Solve the equation and check your solution: $\frac{2}{3}$ y + 1 = $\frac{1}{6}$ y + 8.

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Question 26: Solve the equation and check your solution: 5.4p + 13.1 = -2.6p + 3.5.

Question 27: Solve the equation and check your solution: 0.15w + 0.35 = 0.22w - 0.14.

Question 28:

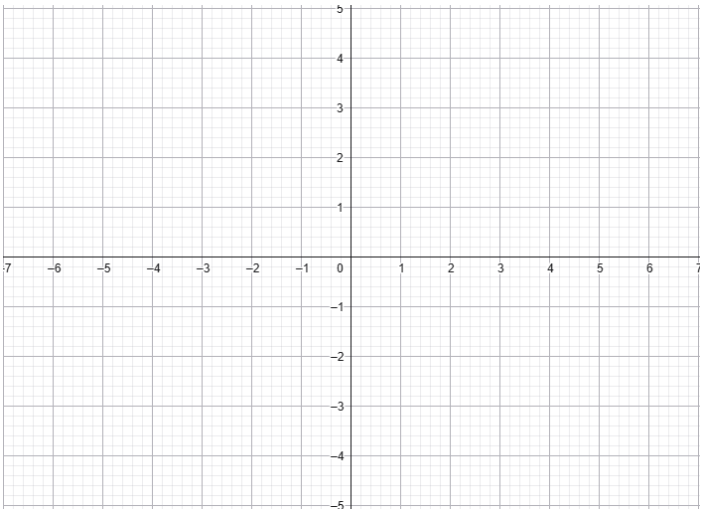
Twelve more than seven times a number equals the number less six. Solve the equation $7x + 12 = x - 6$ to find the number, x.

Question 29: Solve the equation3x-15 =17-x

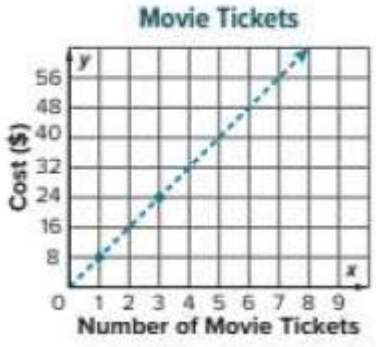
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DIRECT VARIATION (LESSON 4-4)

Question 30: Graph y = 2x and fined the the constant of variation



Question 31: The cost y of movie tickets varies directly with the number of tickets x as shown in the graph below.



(Part A) Write a direct variation equation to represent this relationship.

(Part B) Identify the constant of variation and interpret its meaning in the context of the problem.

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Question 32: The number of miles y varies directly with the number of hours x as shown in the graph below.



(Part A) Write a direct variation equation to represent this relationship.

(Part B) Identify the constant of variation and interpret its meaning in the context of the problem.

Question 33: The cost of paper varies directly with the number of reams bought. Suppose two reams cost $5.10.

(Part A) Write a direct variation equation to represent this relationship.

(Part B) Identify the constant of variation and interpret its meaning in dollars per ream.

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Question 34: The amount of flour needed for a recipe varies directly with the number of servings planned. Three servings require 4(1/2) cups of flour.

(Part A) Write a direct variation equation to represent this relationship.

(Part B) Identify the constant of variation and interpret its meaning in cups per serving.

SLOPE-INTERCEPT FORM (LESSON 4-5)

Question 35: Identify the slope and y-intercept of the equation: $y = \frac{1}{2}x - 5$.

Question 36: Identify the slope and y-intercept of the equation: $y = 3x - 1$.

Question 37: Write an equation of a line in slope-intercept form given slope = $-\frac{1}{3}$ and y-intercept = 4.

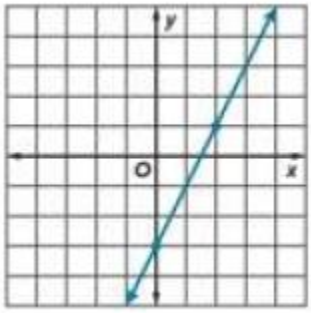
Question 38: Write an equation of a line in slope-intercept form given slope = $\frac{3}{2}$ and y-intercept = -3.

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Question 39: Write an equation of a line in slope-intercept form given slope = 4 and y-intercept = -2.

Question 40: Write an equation of a line in slope-intercept form given slope = -1 and y-intercept = 6.

Question 41: Write an equation in slope-intercept form for the graph shown below,



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