

ملخص كامل أسئلة وفق الهيكل الوزاري الجديد منهج ريفيل



تم تحميل هذا الملف من موقع المناهج الإماراتية

موقع المناهج ← المناهج الإماراتية ← الصف السابع ← رياضيات ← الفصل الأول ← ملفات متنوعة ← الملف

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منهج انجليزي ا ملخصات وتقارير ا مذكرات وبنوك ا الامتحان النهائي ا للمدرس

المزيد من مادة
رياضيات:

إعداد: Aghead

التواصل الاجتماعي بحسب الصف السابع



صفحة المناهج
الإماراتية على
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف السابع والمادة رياضيات في الفصل الأول

ملخص كامل أسئلة وفق الهيكل الوزاري الجديد منهج بريدج

1

حل مراجعة وفق كامل الهيكل الوزاري الجديد منهج ريفيل المسار العام

2

حل مراجعة وفق كامل الهيكل الوزاري الجديد منهج بريدج

3

حل مراجعة وفق كامل الهيكل الوزاري الجديد منهج ريفيل المسار المتقدم

4

حل كراسة تدريبية مراجعة وفق الهيكل الوزاري الجديد منهج بريدج

5



وزارة التربية والتعليم
MINISTRY OF EDUCATION

Summary of Reavel Coverage Grade 7 GEN First Term of 2025- 2026

إحجز مكانك واستعد للامتحان بثقة كاملة

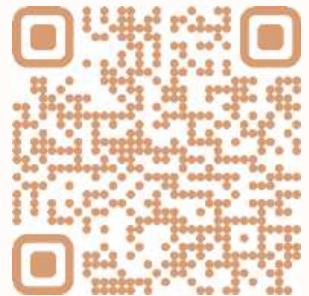
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Mr. Aghead

للتواصل والحجز



للانتقال إلى المواقع
اضغط هنا

شرح الدروس



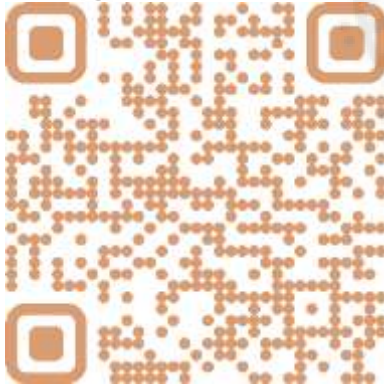
انضم للقناة



يمكنكم الحصول على

بـ 99
درهم فقط

احصل على شرح مفصل للهيكل كامل



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Section 1

MCQ - Objective questions



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Solve each problem. Use any strategy, such as a bar diagram , double number line, ratio table, or division.

1. A truck driver drove 48 miles in 45 minutes. At this rate, how many miles can the truck driver drive in one hour? (Example 1)

a) 64

b) $\frac{9}{56}$

c) 124.8

d) 40

Determine if each situation represents a proportional relationship.

1. A salad dressing calls for 3 parts oil and 1 part vinegar. Manuela uses 2 tablespoons of vinegar and 6 tablespoons of oil to make her salad dressing.

a) yes, both have a ratio of 3:1

b) yes, both have a ratio of 7:200

c) yes, both have a ratio of 4 feet in 1 second

d) no, one ratio is 2:3 and other is 3:4

4. A conveyor belt moves at a constant rate of 12 feet in 3 seconds. A second conveyor belt moves 16 feet in 4 seconds.

a) yes, both have a ratio of 3:1

b) yes, both have a ratio of 7:200

c) yes, both have a ratio of 4 feet to 1 second

d) no, one ratio is 2:3 and other is 3:4

One blend of garden soil is 1 part minerals, 1 part peat moss, and 2 parts compost. Select all of the mixtures below that are in a proportional relationship with this blend.

1:

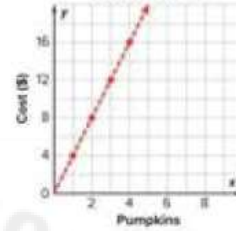
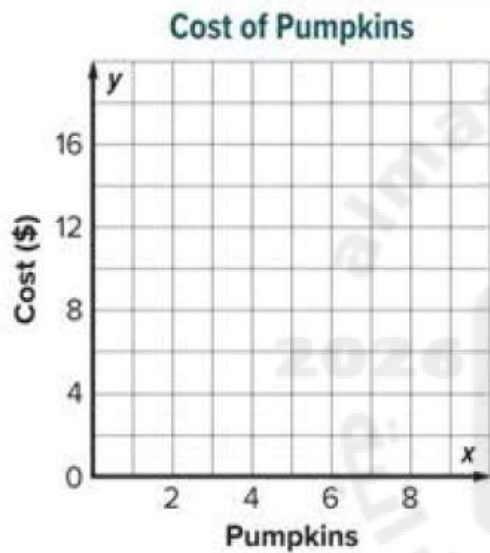
- | |
|--|
| a) 5 ft ³ minerals, 5 ft ³ 3 peat moss, 10 ft ³ compost |
| b) 12 ft ³ minerals, 12 ft ³ peat moss, 24 ft ³ compost |
| c) 20 ft ³ minerals, 20 ft ³ peat moss, 40 ft ³ compost |
| d) all of the above correct |

2:

- | |
|---|
| a) 100 ft ³ minerals, 100 ft ³ peat moss, 200 ft ³ compost |
| b) 10 ft ³ minerals, 15 ft ³ peat moss, 15 ft ³ compost |
| c) 50 ft ³ minerals, 50 ft ³ peat moss, 50 ft ³ compost |
| d) all of the above correct |

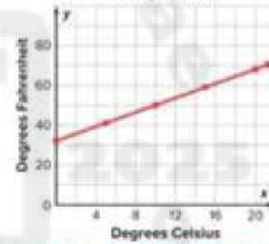
1. The cost of pumpkins is shown in the table.
Determine whether the cost of a pumpkin is proportional to the number bought by graphing the relationship on the coordinate plane. Explain. (Example 1)

Number of Pumpkins	0	1	2	4	5
Cost (\$)	0	4	8	12	16



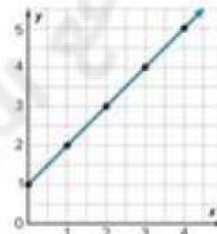
The cost is proportional to the number of pumpkins bought because the graph is a straight line through the origin.

a)



Degrees Fahrenheit is not proportional to degrees Celsius because the graph does not pass through the origin.

b)



The graph of the line is not proportional because it does not pass through the origin so the graph cannot have a constant of proportionality.

c)

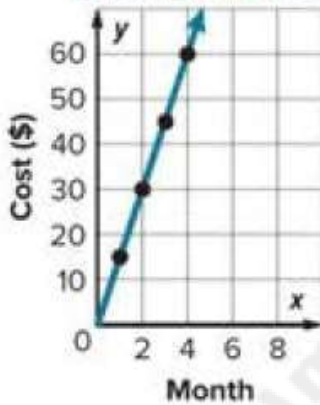


Sample answer: The graph shows the number of feet per yard. The constant of proportionality is 3, so, for every yard, there are 3 feet.

d)

3. The total cost of online streaming is proportional to the number of months. What is the constant of proportionality? (Example 3)

Online Streaming of TV Shows/Movies



a) 15

b) 20

c) 10

d) 17

3. Lincoln bought 3 bottles of an energy drink for \$4.50. Write an equation relating the total cost y to the number of energy drinks bought x . (Example 2)

a) $y=1.5x$

b) $y=18x$

c) $y=1\frac{3}{4}x: 10\frac{1}{2}c$

d) $y=2\frac{1}{4}x: 15\frac{3}{4}yd$

Find the total cost to the nearest cent.

1. \$18 breakfast; 7% tax

a) 19.26\$

b) 25.44\$

c) 52.45\$

d) 71.74\$

13. Toru takes his dog to be groomed. The fee to groom the dog is \$70 plus a 10% tip. Is \$80 enough to pay for the service and tip? Explain your reasoning.

a) 342.37\$

b) 6.78\$

c) 77\$

d) 45.6\$

Find the sale price to the nearest cent. Use any strategy.

1. \$140 coat; 10% discount

a) 126.00\$

b) 60.00\$

c) 276.25\$

d) 59.40\$

9. A swimsuit is on sale for \$45.50. If the sale price is discounted 5% from the original price, what was the original price? Round to the nearest cent. (Example 3)

a) 47.89\$

b) 62.4\$

c) 75.15\$

d) 16.2\$

Find the simple interest earned, to the nearest cent, for each principal, interest rate, and time.

1. \$530, 6%, 1 year

a) 31.80\$

b) 84.00\$

c) 157.50\$

d) 46\$

6. Marc deposits \$840 into a savings account. The account pays 2% simple interest on an annual basis. If he does not add or withdraw money from the account, how much interest will he earn after 6 months? Round to the nearest cent. (Example 2)

a) 112.50\$

b) 8.40\$

c) 288.75\$

d) 55.35\$

5. Mrs. Jackson needs to earn \$3,000 a month. How much does she need to sell if she earns 15% commission on everything she sells? (Example 2)

a) 20,000\$

b) 44.81\$

c) 27.273\$

d) 16.745\$

Add.

1. $-3 + (-8)$

a) -11

b) -24

c) -26

d) -14

3. $9 + (-35)$

a) -11

b) -24

c) -26

d) -14

5. $-22 + (-10) + 15$

a) -17

b) 11

c) -40

d) -21

Subtract.

1. $9 - (-2)$

a) 11

b) -30

c) 76

d) 14

8. $-28 - (-13)$

a) -10

b) -66

c) -6

d) -15

Multiply.

1. $4(-7)$

a) -28

b) -70

c) -108

d) 48

4. $-6(-8)$

a) -28

b) -70

c) -108

d) 48

9. $-2(-12)(-8)$

a) -192

b) 192

c) -140

d) 168

Evaluate each expression.

3. $-4(-8) + (-10)$

a) -39

b) -11

c) 22

d) 72

Write each fraction as a decimal. Determine if the decimal is a terminating decimal.

2. $-\frac{3}{4}$

a) 0.625; terminating

b) -0.75; terminating

c) $0.\bar{2}$; non-terminating

d) $0.\bar{83}$ non-terminating

Write each decimal as a fraction or mixed number in simplest form.

7. $0.\overline{8}$

a) $\frac{8}{9}$

b) $\frac{2}{11}$

c) $-1\frac{5}{9}$

d) $4\frac{5}{11}$

8. $-0.\overline{18}$

a) $\frac{8}{9}$

b) $-\frac{2}{11}$

c) $-1\frac{5}{9}$

d) $4\frac{5}{11}$

Find the additive inverse of each rational number.

1. $-\frac{1}{2}$

a) $\frac{1}{2}$

b) -0.25

c) $-\frac{9}{10}$

d) 0.4

2. 0.25

a) $\frac{1}{2}$

b) -0.25

c) $-\frac{9}{10}$

d) 0.4

Add or Subtract. Write in simplest form.

6. $3\frac{5}{6} + (-1\frac{1}{6})$

a) $2\frac{2}{3}$ or $2.\bar{6}$

b) $1\frac{17}{24}$ or $1.708\bar{3}$

c) -3.45 or $-3\frac{9}{20}$

d) $4\frac{13}{30}$ or $4.4\bar{3}$

10. $-1\frac{1}{4} + 0.75 + 0.45$

a) -0.05 or $-\frac{1}{20}$

b) 1.45 or $1\frac{9}{20}$

c) 8.27 or $8\frac{27}{100}$

d) $11\frac{1}{6}$ or $11.\bar{1}\bar{6}$

Multiply or divide. Write the product or quotient in simplest form.

1. $-\frac{1}{2} \left(-\frac{4}{5}\right)$

a) $\frac{2}{5}$

b) $-3\frac{5}{7}$

c) $-7\frac{9}{16}$

d) $-\frac{2}{5}$ or -0.4

3. $1\frac{1}{10} \left(-6\frac{7}{8}\right)$

a) $\frac{2}{5}$

b) $-3\frac{5}{7}$

c) $-7\frac{9}{16}$

d) $-\frac{2}{5}$ or -0.4

Divide. Write your answer in simplest fraction form.

2. $-\frac{3}{4} \div \left(-\frac{1}{2}\right)$

a) - 4

b) $\frac{3}{2}$

c) $-\frac{3}{2}$

d) $-\frac{9}{14}$

Evaluate each expression if $a = \frac{7}{8}$, $b = -\frac{7}{16}$, $c = 0.8$, $d = \frac{1}{4}$.

1. $\frac{a}{b} - c + d$

a) -2.55 or $-2\frac{11}{20}$

b) 0.6375 or $\frac{51}{80}$

c) -1.825 or $-1\frac{33}{40}$

d) 2.7 or $2\frac{7}{10}$

Section 2

FRQ - Essay questions



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For each situation, complete the table given. Does the situation represent a proportional relationship?

1. The cost of a school lunch is \$2.50.

(Example 1)

Lunches Bought	1	2	3	4
Total Cost (\$)				

Find each percent of change. Identify it as a percent of increase or decrease.

1. 8 feet to 10 feet

Multiply

10. Evaluate ab if $a = -16$ and $b = -5$.

(Example 4)

Evaluate each expression if $m = -32$, $n = 2$, and $p = -8$.

7. $\frac{m}{n}$

5. Quinn earned \$24.50 dog-sitting and \$12.70 for recycling cans. Find the total amount he earned and describe a situation in which Quinn ends the week with zero dollars.

Multiply or divide. Write the product or quotient in simplest form.

5. $-\frac{6}{7} \div \frac{3}{14}$

Evaluate each expression if $x = -\frac{2}{3}$, $y = 0.6$, and $z = -1\frac{7}{8}$. Write the product in simplest form. (Examples 4 and 5)

10. $\frac{1}{4}xy$

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