تغطية اختبار نهاية الفصل





تم تحميل هذا الملف من موقع المناهج الإماراتية	
موقع المناهج ⇦ المناهج الإماراتية ⇦ الصف السابع ⇦ رياضيات ⇦ الفصل الأول ⇦ ملفات متنوعة ⇦ الملف	
تاريخ إضافة الملف على موقع المناهج: 2026-11-15 16:55:44	
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
	إعداد: مدرسة الصقور

التواصل الاجتماعي بحسب الصف السابع					
صفحة المناهج الإماراتية على فيسبوك					
المواد على تلغرام	التربية الاسلامية	اللغة العربية	اللغة الانجليزية	الرياضيات	

المزيد من الملفات بحسب الصف السابع والمادة رياضيات في الفصل الأول	
1	اختبار تجريبي لنهاية الفصل سابع متقدم
2	تغطية مراجعة نهاية الفصل
3	حل تدريبات من الوحدة الرابعة وفق الهيكل
4	حل تدريبات من الوحدة الرابعة وفق الهيكل
5	أسئلة وفق هيكل اختبار نهاية الفصل الأول - بريدج

تحميل تطبيق المناهج للهواتف الذكية	
تطبيق المناهج على Store App (آبل)	تطبيق المناهج على Play Google (أندرويد)

الإمارات العربية المتحدة
وزارة التربية والتعليم

Grade 7 General
Term 1 Revision

EoT1 Exam Coverage

2026-2027

Al Sooqor School



الإمارات العربية المتحدة
وزارة التربية والتعليم

Part (1)

5 questions

(6-12) Marks per question

FRQ



الإمارات العربية المتحدة
وزارة التربية والتعليم

Part (2)

20 questions

(2-4) Marks per question

MCQ

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

2. Russell runs $\frac{9}{10}$ mile in 5 minutes. At this rate, **how many miles can he run in one minute?**

3. A small airplane flew 104 miles in 50 minutes. At this rate, **how many miles can it fly in one hour?**

(50 minutes = $\frac{5}{6}$ hour)

4. DeAndre downloaded 8 apps onto his tablet in 12 seconds. At this rate, **how many apps could he download in one minute?**

(12 seconds = $\frac{1}{5}$ minute)

5. In Lixue's garden, the green pepper plants grew 5 inches in $\frac{3}{4}$ month. At this rate, **how many feet can they grow in one month?**

(Let 5 inches = $\frac{5}{9}$ foot)

6. Thunder from a bolt of lightning travels $\frac{1}{10}$ mile in $\frac{1}{2}$ second. At this rate, **how many miles can it travel in one second?**

5. Rocko paid $12.50 for 25 game tickets. Louisa paid $17.50 for 35 game tickets. **What is the constant of proportionality?**

6. A baker, in 70 minutes, iced 40 cupcakes and, in 49 minutes, iced 28 cupcakes. **What is the constant of proportionality?**

7. The table shows the amount of dietary fiber in bananas. **Use the table to find the constant of proportionality.**

Dietary Fiber (g)	9.3	18.6	27.9	37.2
Bananas	3	6	9	12

8. The table shows the distance traveled by a runner. **Use the table to find the constant of proportionality.**

Distance (mi)	4.55	13.65	22.75	31.85
Time (h)	0.5	1.5	2.5	3.5

9. The table shows the amount a restaurant is donating to a local school based on various dinner bills. **Is the amount of the donation proportional to the dinner bill?** If so, **what would be the donation for a dinner bill of $50? If not, explain.**

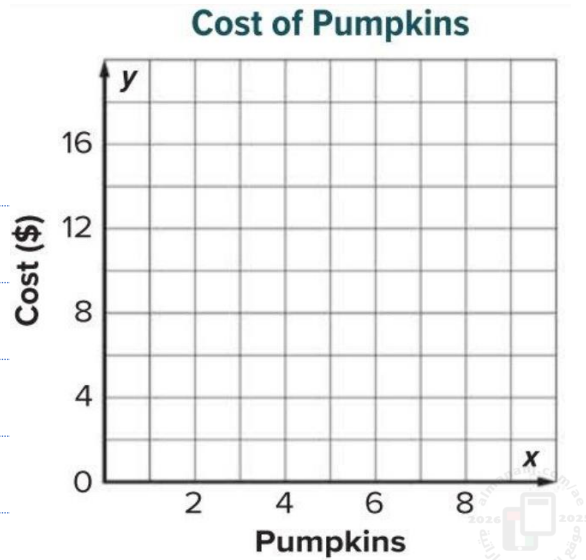
Donations	
Dinner Bill ($)	Donation ($)
25	4.50
30	5.40
35	6.30
40	7.20

10. The table shows the cost to mail various letters based on different weights. **Is the cost of mailing a letter proportional to the weight?** If so, **what would be the cost of mailing a 6-ounce letter? If not, explain.**

Mailing Costs	
Weight (oz)	Cost ($)
1	0.47
2	0.68
3	0.89
4	1.10

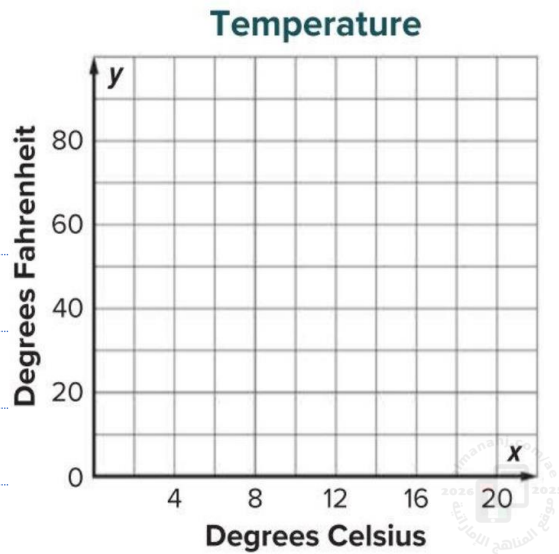
1. The cost of pumpkins is shown in the table. **Determine whether the cost of a pumpkin is proportional to the number bought by graphing the relationship on the coordinate plane.**

Number of Pumpkins	0	1	2	3	4
Cost ($)	0	4	8	12	16

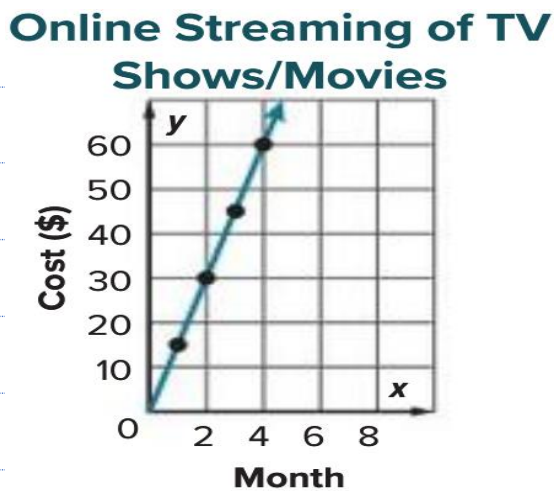


2. The table shows temperatures in degrees Celsius and their equivalent temperatures in degrees Fahrenheit. **Determine whether the temperature in degrees Fahrenheit is proportional to the temperature in degrees Celsius by graphing the relationship on the coordinate plane.**

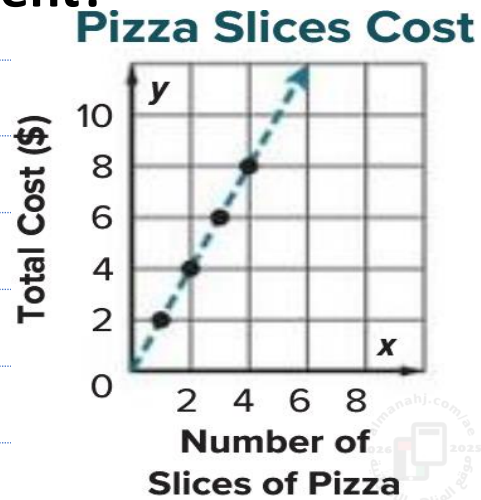
Celsius (degrees)	0	5	10	15	20
Fahrenheit (degrees)	32	41	50	59	68



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



4. The cost per slice of pizza is proportional to the number of slices as shown in the graph. **What do the points (0, 0) and (1, 2) represent?**



1. Liv earns $9.50 for every two bracelets she sells. The equation **y = 4.75x**, where x represents the number of bracelets and y represents the total cost in dollars earned, represents this situation. **What is the constant of proportionality? What does the constant of proportionality represent in the context of the problem?**

2. John ran 3 miles in 25.5 minutes. The equation **y = 8.5x**, where x represents the number of miles and y represents the total time in minutes, represents this situation. **What is the constant of proportionality? What does the constant of proportionality represent in the context of the problem?**

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.**

4. The total cost of renting a cotton candy machine for 4 hours is $72. **What equation can be used to model the total cost y for renting the cotton candy machine x hours?**

5. Marley used 7 cups of water to make 4 loaves of French bread. **What equation can be used to model the total cups of water needed y for making x loaves of French bread? How many cups of water do you need for 6 loaves of French bread?**

6. Mrs. Henderson used $6\frac{3}{4}$ yards of fabric to make 3 elf costumes. **What equation can be used to model the total number of yards of fabric y for x costumes? How many yards of fabric do you need for 7 elf costumes?**

1. Doug estimates that his soccer team will win 7 games this year. The team actually wins 10 games. **What is the percent error of Doug's estimate? Round the answer to the nearest tenth percent, if necessary.**

2. A mayor estimates that 4,000 people will attend the first day of the county fair. A total of 8,400 people actually attend the first day of the fair. **What is the percent error of the mayor's estimate? Round the answer to the nearest tenth percent, if necessary.**

3. Maya estimates that the wait time for her favorite roller coaster is 35 minutes. The actual wait time is 55.5 minutes. **What is the percent error of Maya's estimate? Round the answer to the nearest tenth of a percent, if necessary.**

4. Oliver estimates the weight of his cat to be 16 pounds. The actual weight of his cat is 14.25 pounds. **What is the percent error of Oliver's estimate rounded to the nearest tenth of a percent?**

Find each percent of change. Identify it as a percent of increase or decrease(1-3).

1. 8 feet to 10 feet

2. 62 trees to 31 trees

3. 136 days to 85 days

4. Last month, the online price of a powered ride-on car was $250. This month, the online price is $330. **What is the percent of increase for the price of the car?**

5. At end of the first half of a football game, Nathan had carried the ball for 50.5 yards. By the end of the game, he carried the ball for a total of 75 yards. **Find the percent of increase in the number of yards he carried. Round to the nearest whole tenth if necessary.**

Find the total cost to the nearest cent.

1. $18 breakfast; 7% tax

2. $24 shirt; 6% tax

3. $49.95 pair of shoes; 5% tax

4. Emily wants to buy new boots that cost \$68. The sales tax rate in her city is $5\frac{1}{2}\%$. **What is the total cost for the boots?**

5. Jack wants to buy a coat that costs \$74.95. The sales tax rate in his city is $6\frac{1}{2}\%$. **What is the total cost for the coat?**

Learn Discounts

Discount or **markdown** is the amount by which the regular price of an item is reduced. The sale price is the original price minus the discount. The percent of discount is a percent of decrease.

sale price = original price - discount

Find the sale price to the nearest cent.

1. $140 coat; 10% discount	**2.** $80 boots; 25% discount	**3.** $325 tent; 15% discount

4. A toy store is having a sale. A video game system has an original price of $99. It is on sale for 40% off the original price. **Find the sale price of the game system. Round to the nearest cent.**

5. A yearly coffee club subscription costs $65. Avery received an offer for 62% off the subscription cost. **What is the sale price of the subscription? Round to the nearest cent.**

13. Suppose Serena invests $2,500 for 3 years and 6 months and earns $328.13. **What was the rate of interest? Explain how you solved.**

14. A student stated that an interest rate could not be less than 1%. **Do you agree? Why or why not?**

15. Suppose you earn 2% on $1,000 for 2 years. Explain how the simple interest is affected if the rate is doubled. **What happens if the time is doubled?**

16. **Name a principal and interest rate** where the amount of simple interest earned in 10 years would be $200. Justify your answer.

Subtract.

4. 28 – 14 =

5. -10 – 0 =

6. -33 – 33 =

7. -18 – (-12) =

8. -28 – (-13) =

9. -18 – (-40) =

Multiply.

3. 9(-12) =

4. -6(-8) =

5. -10(-10) =

6. -11(-13) =

7. 7(-5)(4) =

8. (-8)(-7)(3) =

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

11. Evaluate xy if $x = -10$ and $y = -7$.

12. Evaluate xyz^2 if $x = -2$, $y = 7$ and $z = -4$.

13. Evaluate a^2bc if $a = 3$, $b = -14$ and $c = -6$.

Multiply.

3. 75 ÷ (-3) =	**4.** -64 ÷ (-8) =	**5.** -39 ÷ (-13) =

Learn Rational Numbers Written as Decimals

Any fraction can be expressed as a decimal by dividing the numerator by the denominator. The decimal form of a rational number either terminates in 0s or eventually repeats. Repeating decimals are decimals in which 1 or more digits repeat and can be represented using bar notation. In bar notation, a bar is drawn only over the digit(s) that repeat.

Complete the table by writing each decimal using bar notation.

Decimal	0.11111…..	0.61111…..	0.616161…..	6.160000…..	6.1611611611…..
Bar Notation					

Every decimal can be considered a repeating decimal. Decimals with a repeating digit of zero are also called terminating decimals, because the repeating zeros in a terminating decimal are usually truncated, or dropped. For example, the terminating decimal $0.25\overline{0}$ is written as 0.25. The decimal $0.25\overline{0}$ can be considered repeating because the digit 0 repeats.

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

1. $\frac{5}{8} =$

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

3. $\frac{2}{9} =$

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

4. $-\frac{5}{6} =$

5. $-\frac{4}{5} =$

6. $\frac{23}{50} =$

Find the additive inverse of each rational number.

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

2. 0.25

3. $\frac{9}{10}$

4. -0.4

Add. Write in simplest form.

7. $3\frac{5}{6} + \left(-1\frac{1}{6}\right)$

8. $-13\frac{1}{4} + 4\frac{3}{4}$

9. $-\frac{2}{3} + 2\frac{3}{8}$

Add. Write in simplest form.

10. $2\frac{1}{2} + \left(-\frac{1}{3}\right)$

11. $-3.7 + \frac{1}{4}$

12. $\frac{1}{3} + 4.1$

Add. Write in simplest form.

13. $-1\frac{1}{4} + 0.75 + 0.45$

14. $-0.25 + 3\frac{1}{6} + 2\frac{1}{12}$

Subtract. Write in simplest form.

7. $-\frac{7}{8} - 2\frac{1}{6}$

8. $-\frac{8}{15} - 3\frac{4}{5}$

9. $-9\frac{7}{10} - \left(-4\frac{3}{5}\right)$

Subtract. Write in simplest form.

10. $\frac{5}{6} - \left(-\frac{3}{4}\right)$

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

12. $-\frac{7}{10} - \left(-\frac{4}{15}\right)$

Multiply. Write the product in simplest form.

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

2. $-\frac{3}{8}\left(-\frac{8}{9}\right) =$

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

Multiply. Write the product in simplest form.

4. $1\frac{4}{9}\left(-2\frac{4}{7}\right) =$

5. $1\frac{1}{10}\left(-6\frac{7}{8}\right) =$

6. $-5\frac{1}{4}\left(-4\frac{2}{3}\right) =$

18. A student is finding $-\frac{6}{7} \div \left(-\frac{5}{6}\right)$.

Find the student's mistake and correct it.

$$-\frac{6}{7} \div \left(-\frac{5}{6}\right) = -\frac{7}{6} \times \left(-\frac{5}{6}\right) = \frac{35}{36}$$

19. Which is greater,

$20 \cdot \frac{3}{4}$ *or* $20 \div \frac{3}{4}$ **? Explain.**

Find the missing fraction for each problem.

a. $-\frac{1}{4} \div \left(\frac{x}{y}\right) = -\frac{1}{2}$

b. $\frac{a}{b} \div \left(-\frac{2}{3}\right) = 1$

6. The wholesale cost of a bicycle is $98.75. The markup for the bicycle is 33.3%. **Find the selling price of the bicycle. Round to the nearest cent.**

7. The wholesale cost for a purse in a department store is $12.50. The store plans to mark up the purse by 140%. **What will be the selling price of the purse? Round to the nearest cent.**

8. Keri is making doll clothes for a holiday craft show. The wholesale cost of the materials for one outfit is $9.38. If she sells an outfit for $15, **what is the percent of markup? Round to the nearest percent.**

9. A pet store sells a large dog kennel for $98.50. The wholesale cost of the kennel is $63.55. **What is the percent of markup? Round to the nearest percent.**

Find the sale price to the nearest cent.

1. $140 coat; 10% discount

2. $80 boots; 25% discount

3. $325 tent; 15% discount

4. A toy store is having a sale. A video game system has an original price of $99. It is on sale for 40% off the original price. **Find the sale price of the game system. Round to the nearest cent.**

5. A yearly coffee club subscription costs $65. Avery received an offer for 62% off the subscription cost. **What is the sale price of the subscription? Round to the nearest cent.**

Add.

1. -3 + (-8) =	**2.** -11 + (-13) =	**3.** 9 + (-35) =
4. -28 + 14 =	**5.** -22 + (-10) + 15 =	**6.** 18 + (-12) + 5 =

Subtract.

2. -20 – 10 =	**3.** 13 – (-63) =	**4.** 28 – 14 =
5. -10 – 0 =	**6.** -33 – 33 =	**7.** -18 – (-12) =

Divide. Write your answer in simplest fraction form.

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

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

3. $\frac{2}{3} \div \left(-\frac{4}{9}\right) =$

Divide. Write your answer in simplest fraction form.

4. $-\frac{4}{7} \div \frac{8}{9} =$

5. $-\frac{3}{5} \div \left(-\frac{3}{4}\right) =$

6. $-5\frac{3}{4} \div \left(2\frac{1}{16}\right) =$