

تم تحميل هذا الملف من موقع المناهج الإماراتية



تجميع أسئلة وفق الهيكل الوزاري منهج ريفيل

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

تاريخ إضافة الملف على موقع المناهج: 2024-11-03 23:53:11

ملفات اكتب للمعلم اكتب للطالب الاختبارات الكترونية الاختبارات ا حلول ا عروض بوربوينت ا أوراق عمل
منهج انجليزي ا ملخصات و تقارير ا مذكرات و بنوك ا الامتحان النهائي للمدرس

المزيد من مادة
رياضيات:

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

تجميع أسئلة وفق الهيكل الوزاري حسب منهج بريدج

1

حل تجميع أسئلة وفق الهيكل الوزاري حسب منهج بريدج

2

تجميع أسئلة وفق الهيكل الوزاري الجديد منهج بريدج

3

الهيكل الوزاري الجديد المسار العام منهج ريفيل

4

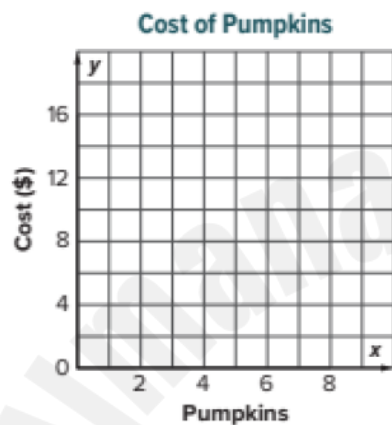
الهيكل الوزاري الجديد المسار العام منهج بريدج

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الاسئلة المقالية FRQ

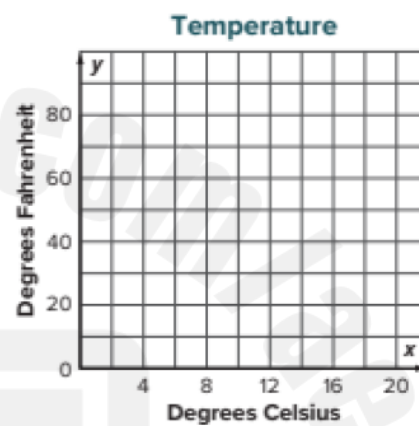
1. The cost of pumpkins is shown in the table. Determine whether the cost of a pumpkin is proportional to the number bought by graphing the relationship on the coordinate plane. Explain. (Example 1)

Number of Pumpkins	0	1	2	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. Explain. (Example 2)

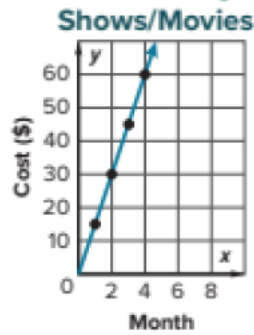
Celsius (degrees)	0	5	10	15	20
Fahrenheit (degrees)	32	41	50	59	68



Test Practice

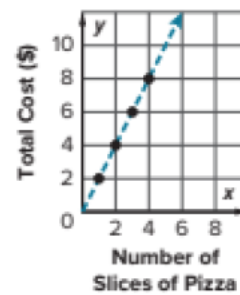
3. The total cost of online streaming is proportional to the number of months. What is the constant of proportionality? (Example 3)

Online Streaming of TV



4. **Open Response** 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? (Example 4)

Pizza Slices Cost



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? (Example 1)
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? (Example 1)
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)
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? (Example 2)
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? (Example 3)
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? (Example 3)

Find the total cost to the nearest cent. (Examples 1–3)

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? (Example 1)
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? (Example 1)

6. Mr. Phuong stayed in a hotel room for 2 nights that cost \$210. The hotel room tax rate in the city is 12%. What is the total cost for the hotel room? (Example 2)
7. The cost of a hotel room during Lacy's trip is \$325. The hotel room tax in the city she is in is 10.5%. What is the total cost of the hotel room? (Example 2)

8. Robert spends \$30.45, before tax, at the bookstore. If the sales tax rate in his city is 7.25%, what is the total cost of his purchase? (Example 3)

Solve each problem.

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.
(Example 1)
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.
(Example 1)
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. (Example 1)
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? (Example 1)
5. A jar of marbles should contain 100 marbles. The jar actually has 99 marbles. What is the percent error to the nearest hundredth of a percent? (Example 1)
6. A cyclist estimates that he will bike 80 miles this week. He actually bikes 75.5 miles. What is the percent error of the cyclist's estimate rounded to the nearest hundredth of a percent? (Example 1)

7. The table shows the predicted and actual amount of snow for a local city. What is the percent error for the amount of snowfall? Round the answer to the nearest tenth of a percent if necessary. (Example 1)

	Snowfall (inches)
Predicted	6.75
Actual	10.25

Evaluate each expression if $a = -2$, $b = 3$, $c = -12$, and $d = -4$. (Example 3)

7. $\frac{bd}{a} + c$

8. $\frac{ac}{b} - (a + d)$

9. $\frac{d^2}{a^2} - (c + b)$

Evaluate each expression if $m = -32$, $n = 2$, $p = -8$, and $r = 4$. (Example 3)

10. $\frac{pr}{n} + m$

11. $\frac{p^2}{m} - (np + r)$

12. $\frac{p^3}{r^2} - (m + np)$



Add. Write in simplest form. (Examples 3–6)

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

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

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

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

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

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

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

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

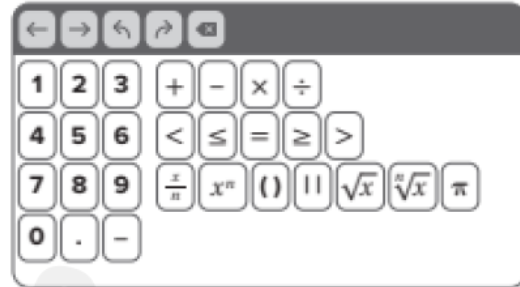


13. Evaluate $\frac{x}{y}$ if $x = \frac{4}{5}$ and $y = -0.1$. Write your answer in simplest form. (Example 3)

15. Evaluate $\frac{c}{d}$ if $c = -4.75$ and $d = -1\frac{1}{4}$. Write your answer in simplest form. (Example 3)

Test Practice

14. **Equation Editor** Evaluate $\frac{a}{b}$ if $a = -\frac{1}{4}$ and $b = 0.02$. Write your answer in simplest form.



Determine if each situation represents a proportional relationship. Explain your reasoning. (Examples 1 and 2)

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.
2. A specific shade of orange paint calls for 2 parts yellow and 3 parts red. Catie uses 3 cups of yellow paint and 4 cups of red paint to make orange paint.
3. A saltwater solution for an aquarium calls for 35 parts salt to 1000 parts water. Tareq used 7 tablespoons of salt and 200 tablespoons of water.
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.
5. A tectonic plate in Earth's crust moves at a constant rate of 4 centimeters per year. In a different part of the world, another tectonic plate moves at a constant rate of 30 centimeters in ten years.
6. A strand of hair grows at a constant rate of $\frac{1}{2}$ inch per month. A different strand of hair grows at a constant rate of 4 inches per year.

7. Multiselect 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.

- 5 ft³ minerals, 5 ft³ peat moss, 10 ft³ compost
- 10 ft³ minerals, 15 ft³ peat moss, 15 ft³ compost
- 12 ft³ minerals, 12 ft³ peat moss, 24 ft³ compost
- 20 ft³ minerals, 20 ft³ peat moss, 40 ft³ compost
- 100 ft³ minerals, 100 ft³ peat moss, 200 ft³ compost
- 50 ft³ minerals, 50 ft³ peat moss, 50 ft³ compost



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

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

(Example 1)

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

2. Anna walks her dog at a constant rate of 12 blocks in 8 minutes. (Example 1)

Number of Blocks	12	24	36	48
Number of Minutes				

3. Fun Center rents popcorn machines for \$20 per hour. In addition to the hourly charge, there is a rental fee of \$35. (Example 2)

Hours	1	2	3	4
Cost (\$)				

4. Jean has \$280 in her savings account. Starting next week, she will deposit \$30 in her account every week. (Example 2)

Weeks	1	2	3	4
Savings (\$)				

5. Rocko paid \$12.50 for 25 game tickets. Louisa paid \$17.50 for 35 game tickets. What is the constant of proportionality? (Example 3)

6. A baker, in 70 minutes, iced 40 cupcakes and, in 49 minutes, iced 28 cupcakes. What is the constant of proportionality? (Example 3)

Test Practice

7. The table shows the amount of dietary fiber in bananas. Use the table to find the constant of proportionality. (Example 4)

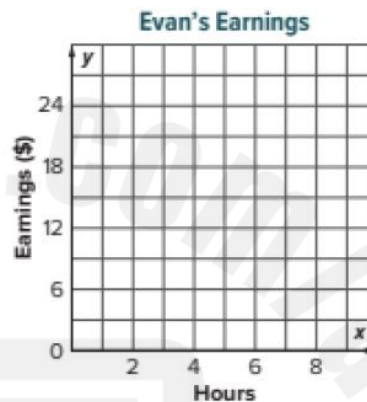
Dietary Fiber (g)	9.3	18.6	27.9	37.2
Bananas	3	6	9	12

8. **Open Response** 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

8. Roman can type 3 pages in 60 minutes. How many more pages can Roman type in 90 minutes than in 60 minutes? Assume the relationship is proportional and he types at a constant rate.
9. On average, Asia makes 14 out of 20 free throws. Assuming the relationship is proportional, how many more free throws is she likely to make if she shoots 150 free throws?

10. Evan earned \$26 for 4 hours of babysitting. What equation can be used to model his total earnings y for babysitting x hours? Then graph the equation on the coordinate plane. What is the unit rate? How is that represented on the graph?



11. **MP Persevere with Problems** The Diaz family spent \$38.25 on 3 large pizzas. What is the cost of one large pizza? Assume the situation is proportional. Explain how you solved.
12. **MP Use a Counterexample** Determine whether the statement is *true* or *false*. If false, give a counterexample.
The constant of proportionality in an equation can never be 0.
13. **MP Justify Conclusions** A recipe for homemade modeling clay includes $\frac{1}{3}$ cup of salt for every cup of water. If there are 6 cups of salt, how many gallons of water are needed? Identify the constant of proportionality. Explain your reasoning.

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

- 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)
- Russell runs $\frac{9}{10}$ mile in 5 minutes. At this rate, how many miles can he run in one minute? (Example 1)
- A small airplane flew 104 miles in 50 minutes. At this rate, how many miles can it fly in one hour? ($50 \text{ minutes} = \frac{5}{6} \text{ hour}$) (Example 1)
- DeAndre downloaded 8 apps onto his tablet in 12 seconds. At this rate, how many apps could he download in one minute? ($12 \text{ seconds} = \frac{1}{5} \text{ minute}$) (Example 1)
- 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 $5 \text{ inches} = \frac{5}{9} \text{ foot}$) (Example 2)
- 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? (Example 2)

- The average sneeze can travel $\frac{3}{100}$ mile in 3 seconds. At this rate, how far can it travel in one minute? ($3 \text{ seconds} = \frac{1}{20} \text{ minute}$) (Example 2)

Test Practice

- Multiselect** Anita is making headbands for her softball team. She needs a total of $\frac{3}{4}$ yard of fabric. Select all types of fabric that cost less than \$8 per yard. (Example 2)

- cotton
 flannel
 fleece
 terry cloth

Fabric	Total Cost for $\frac{3}{4}$ Yard (\$)
Cotton	5.54
Flannel	2.62
Fleece	4.27
Terry Cloth	6.52

7. The ratio of kids to adults at a school festival is 11 : 7. Suppose there are a total of 810 kids and adults at the festival. How many adults are at the festival?
8. The ratio of laptops to tablets in the stock room of a store is 13 : 17. If there are a total of 90 laptops and tablets in the stock room, how many laptops are in the stock room?

9. **MP Persevere with Problems** Lisa is painting the exterior surfaces at her home. A gallon of paint will cover 350 square feet. How many gallons of paint will Lisa need to paint one side of her fence? Explain how you solved.

Item to Paint	Length (ft)	Width (ft)
Fence	26	7
Barn Door	11	6

10. **MP Find the Error** The rate of growth for a plant is 0.2 centimeter per 0.5 day. A student found the number of days for the plant to grow 3.6 centimeters to be 1.44 days. Find the error and correct it.

11. **Create** Write a real-world problem involving a proportional relationship. Then solve the problem.

12. **MP Be Precise** When is it more beneficial to solve a problem involving a proportional relationship using an equation than using a graph?

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

- 8 feet to 10 feet
- 62 trees to 31 trees
- 136 days to 85 days
- 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? (Example 1)
- 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. (Example 1)
- A music video website received 5,000 comments on a new song they released. The next day, the artist performed the song on television and an additional 1,500 comments were made on the website. What was the percent of increase? (Example 1)
- When Ricardo was 9 years old, he was 56 inches tall. Ricardo is now 12 years old and he is 62 inches tall. Find the percent of increase in Ricardo's height to the nearest tenth. (Example 1)
- At a garage sale, Petra priced her scooter for \$15.50. She ended up selling it for \$10.75. Find the percent of decrease in the price of the scooter. Round to the nearest tenth if necessary. (Example 2)
- At the beginning of a baking session, there were 2.26 kilograms of flour in the bag. By the end of the baking session, there was 0.98 kilogram of flour in the bag. What is the percent of decrease, rounded to the nearest tenth, for the amount of flour? (Example 2)

Test Practice

- 10. Open Response** The table shows the number of candid pictures of students for the yearbook for two consecutive years. What was the percent of decrease in the number of candid student pictures from 2015 to 2016, rounded to the nearest tenth?

Year	Number of Photos
2015	236
2016	214

Find the total cost to the nearest cent. Use any strategy. (Examples 1 and 2)

1. \$20 haircut; 10% tip
2. \$24 lunch; 15% tip
3. \$185 TV; 5% markup
4. Vera went to the local salon to get a haircut. The cost was \$24. Vera tipped the hair stylist 18%. What was the total cost of haircut including the tip? Round to the nearest cent. (Example 1)
5. The Gomez family ordered \$39.50 worth of pizza and subs. They gave the delivery person a 20% tip. What was the total cost of the food and tip? Round to the nearest cent. (Example 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. (Example 2)
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. (Example 2)
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. (Example 3)
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. (Example 3)

Test Practice

10. **Open Response** An elementary school wants to purchase a new swing set. The table shows the selling price of the swing sets they are interested in buying. The markup for both swing sets is $20\frac{1}{4}\%$. The school decides to buy the Adventurers swing set. What is the selling price of the swing set they are buying?

Swing Set	Wholesale Price (\$)
Adventurers	3,056
Thunder Ridge	4,125

Find the sale price to the nearest cent. Use any strategy. (Example 1)

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. (Example 1)
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. (Example 1)
6. During a clearance sale at a sporting goods store, skateboards were marked down 30%. On Saturday, an additional 25% was taken off already reduced prices of skateboards. If a skateboard originally cost \$119.50, what was the final price after all discounts had been taken? Round to the nearest cent. (Example 2)
7. At an electronics store, a smart phone is on sale for 35% off the original price of \$679. If you use the store credit card, you can receive an additional 15% off the sale price. What is the final price of the smart phone if you use the store credit card? Round to the nearest cent. (Example 2)
8. Gary had a 40% discount for new tires. The sale price of a tire was \$96.25. What was the original price of the tire? Round to the nearest cent. (Example 3)
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)

Test Practice

- 10. Open Response** A shoe store is having a clearance sale on their summer shoes. All summer shoes are marked 55% off. A sign states you can take an additional 10% off the clearance sale prices. Kelly is deciding between two pairs of sandals shown in the table. If she buys the blue sandals, what is the final price Kelly will pay? Round to the nearest cent.

Shoes	Original Price
Blue Sandals	\$75
Tan Sandals	\$68

Find the simple interest earned, to the nearest cent, for each principal, interest rate, and time. (Example 1)

1. \$530, 6%, 1 year
2. \$1,200, 3.5%, 2 years
3. \$750, 7%, 3 years
4. Elena's father put \$460 into a savings account for her. The account pays 2.5% simple interest each year. If he neither adds nor withdraws money from the account, how much interest will the account earn after 4 years? Round to the nearest cent. (Example 1)
5. Ethan put \$1,250 into a savings account. The account pays 4.5% simple interest on an annual basis. If he does not add or withdraw money from the account, how much interest will he earn after 2 years? Round to the nearest cent. (Example 1)
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)
7. Nina's grandmother deposits \$3,000 into a savings account for her. The account pays 5.5% simple interest on an annual basis. If she does not add or withdraw money from the account, how much interest will she earn after 21 months? Round to the nearest cent. (Example 2)
8. Jack borrows \$2,700 at a rate of 8.2% per year. How much simple interest will he owe if it takes 3 months to repay the loan? Round to the nearest cent. (Example 3)
9. Liliya's parents borrow \$1,400 from the bank for a new washer and dryer. The interest rate is 7.5% per year. How much simple interest will they pay if they take 18 months to repay the loan? Round to the nearest cent. (Example 3)

Test Practice

10. **Open Response** The table shows the interest rates for auto repair loans based on how long it takes to pay off the loan. Jin borrows \$3,600 and plans to pay the loan off in 18 months. How much simple interest will he owe if it takes 18 months to repay the loan? Round to the nearest cent.

Time	Rate (%)
6 months	3.5
12 months	4.0
18 months	4.25

Add. (Examples 1, 4, and 6)

1. $-3 + (-8)$

2. $-11 + (-13)$

3. $9 + (-35)$

4. $-28 + 14$

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

6. $18 + (-12) + 5$

7. Roger owes his father \$15. He borrows another \$25 from him. What integer represents the balance that he owes his father? (Example 2)

8. A football team lost 14 yards on their first play then lost another 7 yards on the next play. What integer represents the total change in yards for the two plays? (Example 2)

9. Kwan's beginning account balance was \$20. His ending balance is \$0. What integer represents the change in his account balance from beginning to end? (Example 3)

10. Lucy's dog lost 6 pounds. How much weight does her dog need to gain in order to have a net change of 0 pounds? (Example 3)

11. The table shows Jewel's scores for the first 9 holes and the second 9 holes of her game of golf. What integer represents her score for the entire game? (Example 5)

12. At 4:00 A.M., the outside temperature was -28°F . By 4:00 P.M. that same day, it rose 38 degrees. What integer represents the temperature at 4:00 P.M.? (Example 5)

Holes	Score
1–9	3 over par
10–18	4 under par

13. In 20 seconds, a roller coaster goes up a 100-meter hill, then down 72 meters, and then back up a 48-meter rise. How much higher or lower from the start of the ride is the coaster after the 20 seconds? (Example 7)

Test Practice

14. **Open Response** Joe opened a bank account with \$80. He then withdrew \$35 and deposited \$115. What is his account balance after these transactions?

Subtract. (Examples 1 and 2)

1. $9 - (-2)$

2. $-20 - 10$

3. $13 - (-63)$

4. $28 - 14$

5. $-10 - 0$

6. $-33 - 33$

7. $-18 - (-12)$

8. $-28 - (-13)$

9. $-18 - (-40)$

10. Evaluate $a - b$ if $a = 10$ and $b = -7$.
(Example 3)

11. Evaluate $x - y$ if $x = -11$ and $y = 26$.
(Example 3)

12. Find the distance between -6 and 7 on a number line. (Example 4)

13. Find the distance between -14 and 5 on a number line. (Example 4)

14. The highest and lowest recorded temperatures for the state of Texas are 120° Fahrenheit and -23° Fahrenheit. Find the range of these extreme temperatures. (Example 5)

Test Practice

15. **Open Response** The table shows the starting and ending elevations of a hiking trail. How much greater is the elevation of the ending point than the starting point for the trail?

Point on Trail	Elevation
Starting Point	180 ft below sea level
Ending Point	260 ft above sea level

Multiply. (Examples 1, 3, and 5)

1. $4(-7)$

2. $-14(5)$

3. $9(-12)$

4. $-6(-8)$

5. $-10(-10)$

6. $-11(-13)$

7. $7(-5)(4)$

8. $(-8)(-7)(3)$

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

10. Evaluate ab if $a = -16$ and $b = -5$.
(Example 4)

11. Evaluate xy if $x = -10$ and $y = -7$.
(Example 4)

12. Evaluate xyz^2 if $x = -2$, $y = 7$, and $z = -4$.
(Example 6)

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

Divide. (Examples 1 and 3)

1. $22 \div (-2)$

2. $-110 \div 11$

3. $75 \div (-3)$

4. $-64 \div (-8)$

5. $-39 \div (-13)$

6. $-50 \div (-10)$

Evaluate each expression if $m = -32$, $n = 2$, and $p = -8$. (Example 4)

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

8. $\frac{m}{p}$

9. $\frac{p}{n}$

Evaluate each expression if $f = -15$, $g = 5$, and $h = -45$. (Example 4)

10. $\frac{f}{g}$

11. $\frac{h}{f}$

12. $\frac{h}{g}$

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

(Examples 1 and 2)

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

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

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

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

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

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

7. $-\frac{9}{22}$

8. $\frac{17}{24}$

9. $-\frac{1}{33}$

10. $-\frac{11}{40}$

11. $\frac{7}{32}$

12. $-\frac{3}{7}$

Find the additive inverse of each rational number. (Example 1)

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

2. 0.25

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

4. -0.4



Subtract. Write in simplest form. (Examples 1 and 2)

1. $-2.45 - (-3.9)$

2. $-4.6 - (-2.31)$

3. $5.47 - (-2.8)$

4. $-6.2 - 3.79$

5. $7\frac{5}{12} - (-3\frac{3}{4})$

6. $5\frac{9}{10} - (-8\frac{2}{5})$

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

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

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

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

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

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