هيكل مراجعة أسئلة (محلول)

تم تحميل هذا الملف من موقع المناهج الإماراتية
موقع المناهج ⇦ المناهج الإماراتية ⇦ الصف السادس ⇦ رياضيات ⇦ الفصل الأول ⇦ ملفات متنوعة ⇦ الملف
تاريخ إضافة الملف على موقع المناهج: 2026-11-08 20:20:58
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 السادس					
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المزيد من الملفات بحسب الصف السادس والمادة رياضيات في الفصل الأول	
1	تجميع هيكل مع الحل - منهج عربي - 2027
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5	مراجعة الوحدة الثانية

تحميل تطبيق المناهج للهواتف الذكية	
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وزارة التربية والتعليم
MINISTRY OF EDUCATION

هيكل رياضيات الصف السادس عام ريفيل
الفصل الأول للعام 2026-2027

اِحجِزْ مَكانَكَ وَاستَعِدَّ لِلْاِمتِحَانِ بِثِقَةٍ كَامِلَةٍ

احصل على الشرح الكامل للصف من خلال:

التواصل والحجز عبر الـ Whatsapp
اضغط على الرقم: 0566991363



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للتواصل والحجز

شرح الدروس

انضم للقناة

Mr. Aghead

MR. AGHEAD 0566991363

يمكنكم الحصول على



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لا تتردد في التواصل
معنا قم بمسح الـ QR

Q1: Show a ratio relationship between two quantities using different representations

Pages: 7 , 11 - example 2 , (1-4)

الأسئلة الموضوعية - MCQ

A florist is arranging flowers in vases to sell to her customers. She has two sizes of vases available: small and large. She wants the large vase to have the same ratio of flowers as the small vase.

If the large vase has a total of 36 flowers, how many are tulips?

Small Vase	
Flower	Quantity
Carnations	6
Sunflowers	2
Tulips	4

A) 6

B) 8

C) 12

D) 16

D	C	B	A

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1. In Suri's coin purse, she has 6 dimes and 4 quarters. Martha has 5 dimes and 3 quarters. Suri thinks that the ratio of dimes to quarters in both purses is the same because they each have 2 more quarters than dimes. Is the same ratio of dimes to quarters maintained? Justify your response.

A) Yes, because both have a difference of 2 coins.

B) Yes, because the simplified ratio for both is 3:2.

C) No, because Suri's ratio is 3:2 while Martha's ratio is 5:3.

D) No, because total number of coins in both purses is different.

D	C	B	A

2. In a trivia game, Levi answered 8 questions correctly out of 10 turns in the game. He then answered the next three questions correctly. He reasoned that because he added 3 to both the total questions and his correct responses, that the ratio of correct answers to total questions remained the same. Is he correct? Justify your response.

A) Yes, because adding the same number to both terms of a ratio keeps it equivalent.

B) Yes, because his new score is 11 out of 13.

C) No, because the initial ratio is $\frac{8}{10}$ (or 0.8) while the new ratio is $\frac{11}{13}$ (approx 0.846), so adding a number changes a ratio rather than multiplying it.

D) No, because he only answered 2 questions correctly afterwards.

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

3. Riley needs to make fruit punch for the family reunion. One batch of punch has the ingredients shown. If the punch bowl holds 27 cups, how many cups of orange juice will she need to keep the ratio in a full punch bowl the same? (Example 2)

Item	Cups
Cranberry Juice	4
Lemon Lime Soda	1
Orange Juice	2
Pineapple Juice	2

A) 3 cups

B) 6 cups

C) 9 cups

D) 12 cups

D	C	B	A

4. A small fruit basket contains the fruits shown. A large basket has the same ratio of fruits as the small basket. If the large basket has 42 total pieces of fruit, how many are pears? (Example 2)

Type of Fruit	Amount
Apple	6
Orange	5
Pear	3

A) 6

B) 9

C) 14

D) 18

D	C	B	A

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Q2: Show a ratio relationship between two quantities using different representations

Pages: 8 , 11 – example 3 , (5-7)

الأسئلة الموضوعية - MCQ

A bakery sells fresh-baked muffins, sold in small or large boxes. The manager of the bakery wants to maintain the same ratio of each type of muffin in the large box as in the small box.

If the large box contains 9 chocolate muffins, how many blueberry muffins are in the large box?

Small Box	
Muffin	Quantity
Blueberry	2
Cinnamon	1
Chocolate	3

A) 3

B) 6

C) 9

D) 18

D	C	B	A

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5. Mrs. Santiago is buying doughnuts for her office. Each box contains 6 glazed, 4 cream filled, and 2 chocolate flavored doughnuts. If there were 20 total cream filled doughnuts, how many chocolate doughnuts did she buy? (Example 3)

A. 10
B. 12
C. 15
D. 20

D	C	B	A

6. A small batch of trail mix contains 2 cups of raisins, 2 cups of peanuts, 1 cup of sunflower seeds, and 1 cup of chocolate coated candies. A large batch has the same ratio of ingredients as a small batch. If the large batch has 8 cups of peanuts, how many cups of sunflower seeds are in a large batch? (Example 3)

A. 2
B. 4
C. 6
D. 8

D	C	B	A

7. **Open Response** A football coach needs to divide 48 players into two groups. He wants the ratio of players in Group 1 to players in Group 2 to be 1 to 3. How many players will be in Group 2?

A) 12

B) 24

C) 36

D) 40

D	C	B	A

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Q3: Show a ratio relationship between two quantities using tables of equivalent ratios and double number lines

Pages: 15 , 21 - Example 1 , (1,2)

MCQ - الأسئلة الموضوعية

To make yellow icing, Amida mixes 6 drops of yellow food coloring with 2 cups of white icing.

How many drops of yellow food coloring should Amida mix with 8 cups of white icing to get the same shade of yellow?

A. 24

B. 12

C. 16

D. 18

D	C	B	A

Use any strategy to solve each problem.

1. Jayden's snow cone machine makes 3 snow cones from 0.5 pound of ice. How many snow cones can be made with 5 pounds of ice? (Example 1)

A) 15

B) 20

C) 25

D) 30

D	C	B	A

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2. Nyoko is having a pizza party. Two large pizzas serve 9 people. How many large pizzas should she order to serve 36 guests at the party? (Example 1)

A) 4

B) 6

C) 8

D) 10

D	C	B	A

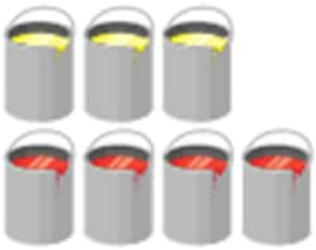
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Q3: Show a ratio relationship between two quantities using tables of equivalent ratios and double number lines

Pages: 16&17 , 21 - Example 2 & Example 3 , (3-8)

الأسئلة الموضوعية - MCQ

Akeno mixes three sample containers of yellow paint with four sample containers of red paint to create his favorite shade of orange paint. His little sister Aiko wants to create the same shade of orange paint, but she only has two sample containers of red paint.



What should Aiko do to create the same shade of orange paint?

A) Mix 1 sample container of yellow paint with 2 sample containers of red paint

B) Mix 1.5 sample containers of yellow paint with 2 sample containers of red paint

C) Mix 2 sample containers of yellow paint with 2 sample containers of red paint

D) Mix 2.5 sample containers of yellow paint with 2 sample containers of red paint

D	C	B	A

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Natasha made raspberry punch for a party by mixing 9 fluid ounces of fruit punch, 3 liters of soda, and 6 scoops of raspberry ice cream. Halfway through the party, the punch bowl was empty.

If Natasha only has 6 fluid ounces of fruit punch left, how much ice cream does she need to make another batch of punch?

A) 2 scoops

B) 3 scoops

C) 4 scoops

D) 5 scoops

D	C	B	A

3. The world record for the most number of speed skips in 60 seconds is 332 skips. If the record holder skipped at a constant ratio of seconds to skips, how many skips did she make in 15 seconds? (Example 2)

A) 73

B) 78

C) 83

D) 88

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

4. A recipe for homemade clay calls for 6 cups of water for every 12 cups of flour. How many cups of water are needed when 4 cups of flour are used? (Example 2)

A) 1 cup

B) 2 cups

C) 3 cups

D) 4 cups

D	C	B	A

5. Adrian decorated 16 cupcakes in 28 minutes. If he continues at this pace, how many minutes will it take him to decorate 56 cupcakes? (Example 3)

A) 84 minutes

B) 98 minutes

C) 102 minutes

D) 112 minutes

D	C	B	A

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6. A comic book store is having a sale. You can buy 20 comic books for $35. What is the cost of 8 comic books during the sale?
(Example 3)

A) $12

B) $14

C) $16

D) $18

D	C	B	A

7. A certain store is selling packages of 10 pencils and 4 pens for back to school. The store manager wants to make a larger package in the same ratio. If the large package has 10 pens, how many pencils are in the large package? (Example 4)

A) 20

B) 25

C) 30

D) 40

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

8. Open Response Ben made trail mix for his camping trip that contained 8 ounces of peanuts, 6 ounces of raisins, and 10 ounces of chocolate candies. He wants to make a larger batch for his next camping trip with 28 ounces of peanuts. How many ounces of raisins will he need?

A) 15 ounces

B) 21 ounces

C) 24 ounces

D) 35 ounces

D	C	B	A

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Q5: Compare ratio relationships that are shown using different representations

Pages: 31 , 35 - Learn & Example 2 , (1-3)

الأسئلة الموضوعية - MCQ

Learn Use Tables to Compare Ratio Relationships

A comparison of three smoothie recipes shows that:

Recipe A

Blueberries	8	16	24
Strawberries	2	4	6

Recipe B

Blueberries	5	10	15	20	25	30
Strawberries	1	2	3	4	5	6

Recipe C

Blueberries	10	20	30
Strawberries	3	6	9

A) Recipe A

B) Recipe B

C) Recipe C

D) All recipes have equal ratios

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

Example 2 Use Tables to Compare Ratio Relationships

Roman is considering different bird seeds to fill his bird feeder. Measured in ounces, Recipe A has a sunflower seed to peanut ratio of 2 to 3, Recipe B has a ratio of 3 to 4, and Recipe C has a ratio of 5 to 6.

Which recipe has the greatest ratio of ounces of sunflower seeds to ounces of peanuts?

A) Recipe A

B) Recipe B

C) Recipe C

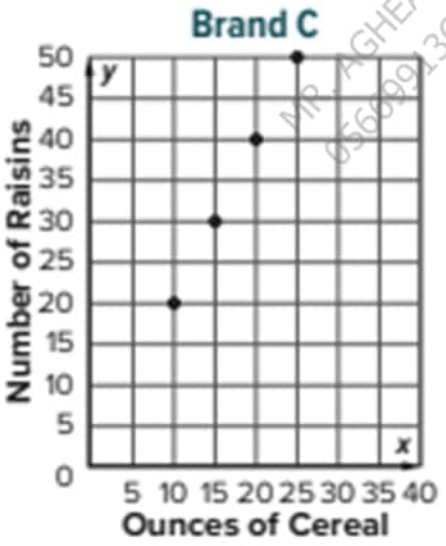
D) They all have equal ratios

D	C	B	A

1. Cereal Brand A advertises that they have 60 raisins in their 24-ounce box of cereal. The advertised ratio of raisins to ounces for two other cereal brands are shown in the table and graph. Which brand advertises the greatest ratio of raisins to ounces of cereal? Justify your response. (Example 1)

Brand B

Ounces of Cereal	6	12	20	24
Raisins	18	36	60	72



A) Brand A

B) Brand B

C) Brand C

D) They all have equal ratios

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

2. At the gym, Alex spends 24 minutes doing resistance training for every 30 minutes spent doing cardio exercises, Carisa spends 15 minutes on resistance for every 20 minutes on cardio, and Manuel spends 14 minutes on resistance for every 15 minutes on cardio. Which person has the greatest ratio of minutes spent on resistance to minutes spent on cardio? (Example 2)

Alex

Resistance (min)			
Cardio (min)			

Carisa

Resistance (min)			
Cardio (min)			

Manuel

Resistance (min)			
Cardio (min)			

A) Alex

B) Carisa

C) Manuel

D) They all have equal ratios

D	C	B	A

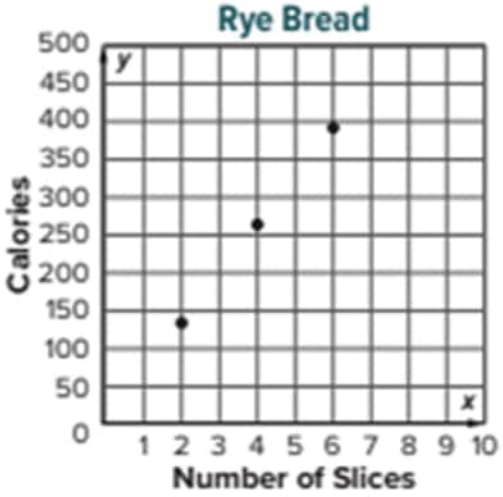
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احصل على الشرح كاملاً بـ 99 درهم فقط

3. **Open Response** Mrs. Quinto is comparing the Calories in different types of bread. Wheat bread has 150 Calories for every 2 slices. The Calories in two other types of bread are shown in the table and graph. Which bread has the greatest ratio of Calories to slices?

White Bread

Slices	Calories
2	160
4	320
6	480



A) Wheat Bread

B) White Bread

C) Rye Bread

D) They all have equal ratios

D	C	B	A

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Q6: Use ratio reasoning to convert between customary units of measurement

Pages: 48 & 49 , 55 - Learn & Example 1 , (1-10)

الأسئلة الموضوعية - MCQ

Learn Convert Larger Units to Smaller Units

You can use reasoning about ratios to convert a measurement from a larger unit to a smaller unit. The numerical value of the measurement is greater when a smaller unit is used. To see why, consider the following problem. Suppose you want to know how many fluid ounces are in 6 pints.

A) 48 fluid ounces

B) 64 fluid ounces

C) 96 fluid ounces

D) 120 fluid ounces

D	C	B	A

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للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

Example 1 Convert Larger Units to Smaller Units

Marco needs to mix $\frac{1}{2}$ gallon of fertilizer with some soil before planting his tulip bulbs.

How many cups of fertilizer should Marco use?

A) 2 cups

B) 4 cups

C) 6 cups

D) 8 cups

D	C	B	A

1. Mrs. Menary made $4\frac{1}{2}$ quarts of lemonade for a school party. How many fluid ounces of lemonade did she make?

A) 72 fluid ounces

B) 96 fluid ounces

C) 128 fluid ounces

D) 144 fluid ounces

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

2. A class walked 2.5 miles for a walk-a-thon. How many yards did the class walk?

A) 2,640 yards

B) 4,400 yards

C) 3,520 yards

D) 1,760 yards

D	C	B	A

3. The Martinez family has $\frac{3}{4}$ gallon of orange juice in the refrigerator. How many cups of orange juice are in the refrigerator?

A) 12 cups

B) 8 cups

C) 16 cups

D) 4 cups

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

4. A grand piano can weigh $\frac{1}{2}$ ton. How many ounces can a grand piano weigh?

A) 1,000 ounces

B) 8,000 ounces

C) 16,000 ounces

D) 32,000 ounces

D	C	B	A

5. A female hippopotamus can weigh 48,000 ounces. How many tons can a female hippopotamus weigh?

A) 1.5 tons

B) 2 tons

C) 2.5 tons

D) 3 tons

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

6. At soccer practice, Tracey's best kick traveled a distance of 1,200 inches. For how many yards did she kick the ball?

A) 100 yards

B) 33.3 yards

C) 400 yards

D) 300 yards

D	C	B	A

7. An elephant can drink up to 6,400 fluid ounces of water a day. How many gallons of water can an elephant drink per day?

A) 25 gallons

B) 40 gallons

C) 50 gallons

D) 100 gallons

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

8. A recipe for ice cream calls for 56 fluid ounces of milk. How many pints of milk are there in the recipe?

A) 7 pints

B) 2.5 pints

C) 3.5 pints

D) 4.5 pints

D	C	B	A

9. One quart of strawberries weighs about 2 pounds. About how many quarts of strawberries would weigh $\frac{1}{4}$ ton?

A) 125 quarts

B) 250 quarts

C) 500 quarts

D) 1,000 quarts

D	C	B	A

10. Open Response A mini fruit juice box contains 4 fluid ounces of juice. You need $2\frac{1}{2}$ quarts of fruit juice. How many mini fruit juice boxes will you need?

A) 10 mini fruit juice boxes

B) 16 mini fruit juice boxes

C) 20 mini fruit juice boxes

D) 40 mini fruit juice boxes

D	C	B	A

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Q7: Use ratio reasoning to convert between customary units of measurement

Pages: 51 & 52 , 55 - Learn & Example 2 , (1-10)

الأسئلة الموضوعية - MCQ

Learn Convert Smaller Units to Larger Units

You can use reasoning about ratios to convert a measurement from a smaller unit to a larger unit. The numerical value of the measurement is less when a larger unit is used. To see why, consider the following problem. Suppose you want to convert 24 inches to yards.

"Convert 24 inches to yards."

A) $\frac{1}{3}$ yards

B) $\frac{2}{3}$ yards

C) 2 yards

D) 72 yards

D	C	B	A

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Example 2 Convert Smaller Units to Larger Units

A male hippopotamus can weigh as much as 9,920 pounds.

How much is this weight in tons?

A) 4.96 tons

B) 5.46 tons

C) 4.46 tons

D) 5.96 tons

D	C	B	A

1. Mrs. Menary made $4\frac{1}{2}$ quarts of lemonade for a school party. How many fluid ounces of lemonade did she make?

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D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

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D	C	B	A

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A) 12 cups

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C) 16 cups

D) 4 cups

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احصل على الشرح كاملاً بـ 99 درهم فقط

للتواصل اضغط الرقم: 0566991363

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B) 2 tons

C) 2.5 tons

D) 3 tons

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

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C) 50 gallons

D) 100 gallons

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B) 250 quarts

C) 500 quarts

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D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

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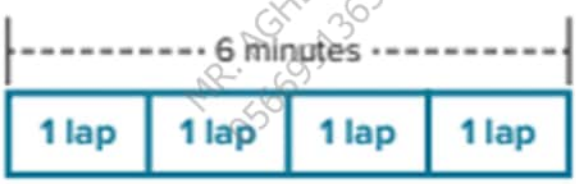
Q8: Understand how a rate is related to a ratio

Pages: 57 & 58 - learn

الأسئلة الموضوعية - MCQ

Learn Understand a Rate and a Unit Rate

Luciana ran 4 laps around the track at her middle school in a total of 6 minutes. Suppose she ran at a constant speed. The bar diagram represents the relationship between the number of minutes and the number of laps.
How many minutes does it take her to run 1 lap?



A) $\frac{2}{3}$ minutes

B) $1\frac{1}{2}$ minutes

C) $\frac{3}{4}$ minutes

D) 2 minutes

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

Q9: Use ratio and rate reasoning to find a unit rate

Pages: 59 & 60 , 63 - Example 1, 2 , (1-8)

الأسئلة الموضوعية - MCQ

Example 1 Find a Unit Rate

A scientist studying hummingbirds recorded that a hummingbird flapped its wings 1,590 times in 30 seconds during normal flight.

Assuming a constant rate, how many times did the hummingbird flap its wings per second?

A) 43 times per second

B) 53 times per second

C) 58 times per second

D) 63 times per second

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

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Example 2 Find a Unit Price

For Carolina's birthday, her mother took her and four friends to a water park. Carolina's mother can pay either $130 for a 5-pack of student tickets, or $28 for each individual student ticket.

Which ticket payment option has the lesser unit price?

A) The 5-pack option, with a unit price of $26 per ticket

B) The individual ticket option, with a unit price of $28 per ticket

C) Both options have the same unit price

D) The 5-pack option, with a unit price of $25 per ticket

D	C	B	A

Use any strategy to solve each problem.

1. A hippopotamus can run 6 kilometers in 15 minutes. At this rate, how far can the hippopotamus run in 1 minute? (Example 1)

A) 0.25 kilometers

B) 0.4 kilometers

C) 2.5 kilometers

D) 0.5 kilometers

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

2. Imena earned $261 last week. If she worked 18 hours and earned the same amount each hour, how much was she paid per hour?

A) $13.50

B) $14.00

C) $14.50

D) $15.50

D	C	B	A

3. A cat's heart beats approximately 45 times in 15 seconds. At this rate how many times does the cat's heart beat per second?

A) 2 times per second

B) 2.5 times per second

C) 3 times per second

D) 4 times per second

D	C	B	A

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4. Mr. Farley used 4 pounds of hamburger to make 10 hamburger patties of the same size. How many pounds of hamburger did he use per patty? (Example 1)

A) 0.25 pounds

B) 0.3 pounds

C) 2.5 pounds

D) 0.4 pounds

D	C	B	A

5. At the school festival, Heather can buy 25 game tickets for $10, or she can pay $0.50 per game ticket. Which option has the lesser price per ticket? (Example 2)

A) 25 tickets for $10 ($0.40 per ticket)

B) $0.50 per game ticket

C) Both options have the same price

D) 25 tickets for $10 ($0.60 per ticket)

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

6. At a toy store, Colton can buy a package of 6 mini footballs for $7.50, or a package of 8 mini footballs for $9.60. Which option has the lesser price per mini football? (Example 2)

A) The package of 6 mini footballs ($1.25 per mini football)

B) The package of 8 mini footballs ($1.20 per mini football)

C) Both packages have the same unit price

D) The package of 8 mini footballs ($1.30 per mini football)

D	C	B	A

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7. The table shows the options Zoe's mother has for buying tickets to an adventure day camp for Zoe and 5 of her friends. Which option has the lesser cost per student ticket? (Example 2)

Adventure Camp Tickets	
Option	**Cost ($)**
6-pack of Student Tickets	126.00
Individual Student Ticket	21.50

A) The 6-pack option ($21.00 per ticket)

B) The individual ticket option ($21.50 per ticket)

C) Both options have the same price per ticket

D) The 6-pack option ($22.00 per ticket)

D	C	B	A

8. **Multiple Choice** Which of the following offers the least price per ounce of shampoo?

(A) $6 for 8 ounces of shampoo

(B) $4 for 5 ounces of shampoo

(C) $8 for 12 ounces of shampoo

(D) $12 for 16 ounces of shampoo

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

Q10: Solve real-world problems involving rates and unit rates by using bar diagrams, double number lines, and equivalent rates

Pages: 71 – (1-6)

الأسئلة الموضوعية - MCQ

Use any strategy to solve each problem.

1. Mr. Anderson is ordering pizzas for a class pizza party. Pizza Place has a special where he can buy 3 large pizzas for $18.75. At Mario's Pizzeria, he can buy 4 large pizzas for $22. If he needs to buy 12 pizzas, how much will he save if he buys the pizzas from Mario's Pizzeria instead of Pizza Place?
(Example 1)

A) $9.00

B) $6.25

C) $7.50

D) $12.00

D	C	B	A

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2. Skylar and Rodrigo each recorded how far they traveled while skateboarding. Skylar traveled 65 feet in 5 seconds and Rodrigo traveled 108 feet in 8 seconds. How much farther did Rodrigo travel per second than Skylar? (Example 1)

A) 0.5 feet per second

B) 1.5 feet per second

C) 2.0 feet per second

D) 2.5 feet per second

D	C	B	A

3. Melissa is buying party favors to make gift bags. Supplies LTD sells a 5-pack of favors for $11.25 and Parties and More sells a 3-pack of favors for $8.25. At these rates, how much will she save if she buys 15 favors from Supplies LTD than Parties and More?

A) $6.00

B) $6.25

C) $7.00

D) $7.50

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

4. Tara can type 180 words in 4 minutes. At this rate, how many words can she type in 10 minutes? (Example 2)

A) 400 words

B) 420 words

C) 450 words

D) 500 words

D	C	B	A

5. A bakery makes 260 donuts in 4 hours. At this rate, how many donuts can they make in 6 hours? (Example 2)

A) 390 donuts

B) 360 donuts

C) 400 donuts

D) 420 donuts

D	C	B	A

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6. **Open Response** While jumping rope, Juan jumped 24 times in 30 seconds. At this rate, how many times will he jump in 50 seconds?

A) 35 jumps

B) 40 jumps

C) 45 jumps

D) 50 jumps

D	C	B	A

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Q11: Model percents using 10×10 grids and bar diagrams

Pages: 81 , 82 – learn , Example 3 , 4

الأسئلة الموضوعية - MCQ

Learn Use Bar Diagrams to Model Percents

To model 10% or a multiple of 10% using a bar diagram, into how many equal-size sections should you divide the bar diagram?

A) 10 equal-size sections

B) 5 equal-size sections

C) 100 equal-size sections

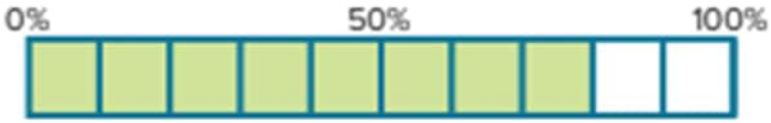
D) 20 equal-size sections

D	C	B	A

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Example 3 Identify the Percent

What percent is represented by the bar diagram?



A) 80%

B) 70%

C) 8%

D) 90%

D	C	B	A

Example 4 Model the Percent

Draw a bar to represent 100%. Divide the bar into 20 equal-size sections because 65% is a multiple of 5. Each section represents 5%. How many sections should be shaded to represent 65%?

A) 10 sections

B) 12 sections

C) 13 sections

D) 15 sections

D	C	B	A

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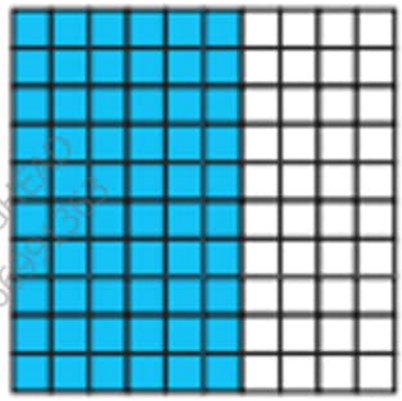
احصل على الشرح كاملاً بـ 99 درهم فقط

Q12: Model percents using 10×10 grids and bar diagrams

Pages: 83 – (1-8)

الأسئلة الموضوعية - MCQ

For Exercises 1 and 2, identify the percent represented by each 10 × 10 grid. (Example 1)

1.  _____

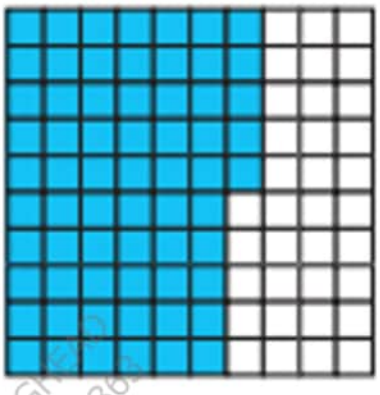
A) 40%

B) 50%

C) 60%

D) 5%

D	C	B	A

2.  _____

A) 65%

B) 55%

C) 60%

D) 70%

D	C	B	A

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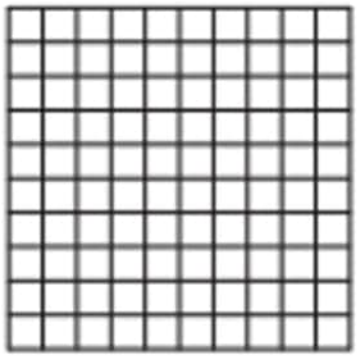
In a school survey, 12% of the students surveyed said they like camping. How many squares should be shaded in a 10×10 grid to model 12%?

A) 12 squares

B) 10 squares

C) 20 squares

D) 1.2 squares



D	C	B	A

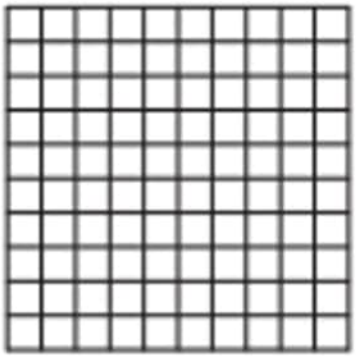
4) Of the students in the lunch line, 9% said they were buying strawberry milk. How many squares should be shaded in a 10×10 grid to model 9%?

A) 9 squares

B) 90 squares

C) 19 squares

D) 0.9 squares



D	C	B	A

For Exercises 5 and 6, identify the percent represented by each bar diagram.

5. _____



A) 80%

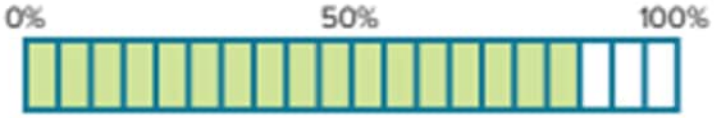
B) 90%

C) 85%

D) 95%

D	C	B	A

6. _____



A) 70%

B) 75%

C) 85%

D) 80%

D	C	B	A

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7) How many sections should be shaded in the bar diagram to model 25%?



A) 1 section

B) 2 sections

C) 3 sections

D) 4 sections

D	C	B	A

8. **Open Response** How can you use a bar diagram to model 45%?

A) Divide the bar into 10 equal-size sections (each 10%) and shade 5 sections

B) Divide the bar into 20 equal-size sections (each 5%) and shade 11 sections

C) Divide the bar into 20 equal-size sections (each 5%) and shade 9 sections

D) Divide the bar into 5 equal-size sections (each 20%) and shade 3 sections

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

Q13: Understand that percents can be greater than 100% or less than 1%

Pages: 85 & 86 - Learn & Example 1

الأسئلة الموضوعية - MCQ

Learn Percents Greater Than 100%

The table shows the total rainfall during April for a certain city for three different years: 2017 (4.0 in.), 2018 (3.0 in.), and 2019 (5.0 in.). What percent of the rainfall in 2017 was the rainfall in 2018?

Year	April Rainfall (in.)
2017	4.0
2018	3.0
2019	5.0

A) 75%

B) 80%

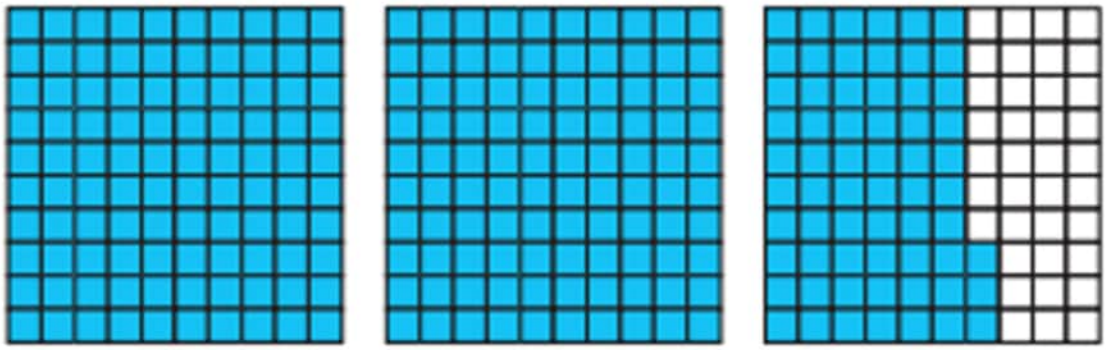
C) 125%

D) 60%

D	C	B	A

Example 1 Identify the Percent

What percent is represented by the 10 × 10 grids?



A) 236%

B) 263%

C) 260%

D) 163%

D	C	B	A

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Q14: Understand that percents can be greater than 100% or less than 1%

Pages: 88 & 89 , 91 – Learn , (1-6)

MCQ - الأسئلة الموضوعية

The radius of Earth is about 4,000 miles, and the radius of the Sun is about 430,000 miles. Approximately what percent of the Sun's radius is Earth's radius? *(Round to the nearest hundredth)*

A) 0.93%

B) 9.30%

C) 0.09%

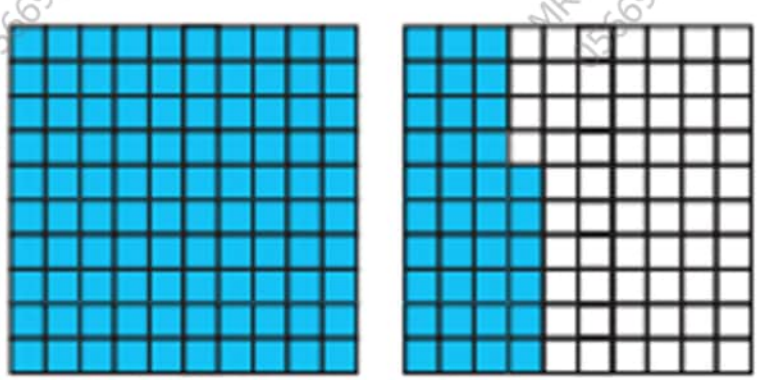
D) 1.08%

D	C	B	A

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Identify the percent represented by the 10 × 10 grids. (Examples 1 and 3)

1.



A) 135%

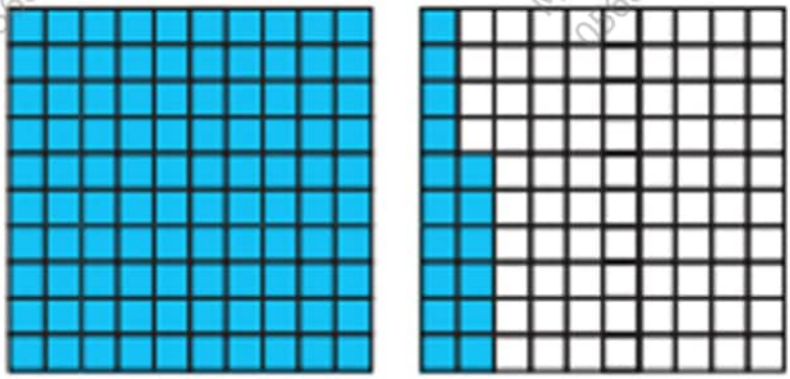
B) 125%

C) 145%

D) 130%

D	C	B	A

2.



A) 105%

B) 115%

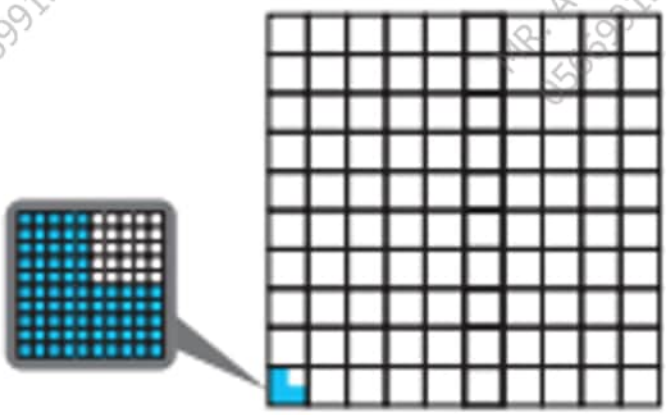
C) 120%

D) 110%

D	C	B	A

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3.



A) 0.25%

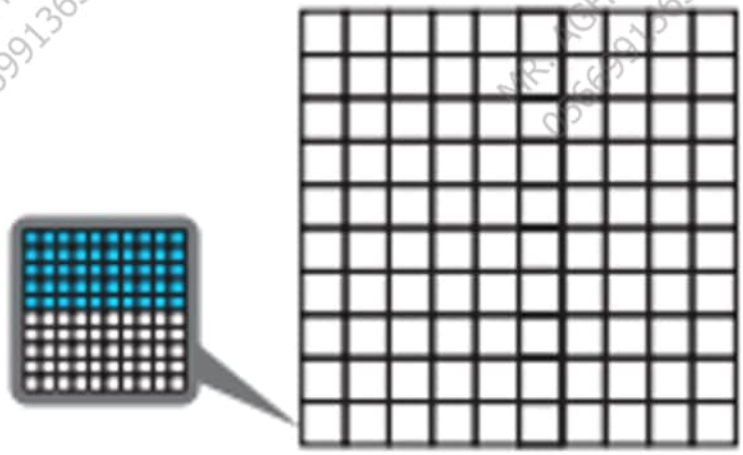
B) 7.5%

C) 0.75%

D) 75%

D	C	B	A

4.



A) 0.25%

B) 0.05%

C) 50%

D) 0.5%

D	C	B	A

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5. The size of a large milkshake is 1.4 times the size of a medium milkshake. Write a percent that compares the size of the large milkshake to the size of the small milkshake. Then draw and shade 10 × 10 grids to model the percent. (Example 2)

A) 140%

B) 14%

C) 1.4%

D) 40%

D	C	B	A

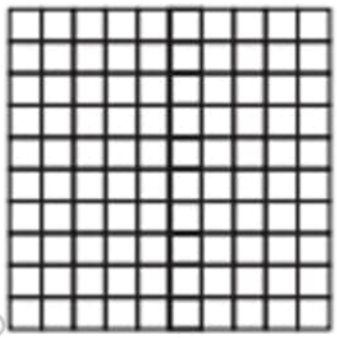
6. The Freedom Tower is 1,776 feet tall. Mr. Feeman's students are building a replica of the tower for a class project that will stand 4.44 feet tall. Write a percent that compares the height of the replica to the height of the actual tower. Then shade the 10 × 10 grid to model the percent.

A) 2.5%

B) 0.025%

C) 0.25%

D) 25%



D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

Q15: Relate fractions, decimals, and percents by using place-value reasoning and understanding a percent as a ratio that compares a number to 100

Pages: 101 – (1-13)

MCQ - الأسئلة الموضوعية

Write each percent as a fraction in simplest form and as a decimal.

1. 45%

A) Fraction: $\frac{9}{20}$, Decimal: 0.45

B) Fraction: $\frac{4}{5}$, Decimal: 0.45

C) Fraction: $\frac{9}{20}$, Decimal: 4.5

D) Fraction: $\frac{9}{50}$, Decimal: 0.045

D	C	B	A

2. 72%

A) Fraction: $\frac{18}{25}$, Decimal: 7.2

B) Fraction: $\frac{18}{25}$, Decimal: 0.72

C) Fraction: $\frac{36}{50}$, Decimal: 0.72

D) Fraction: $\frac{7}{10}$, Decimal: 0.072

D	C	B	A

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للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

3. 80%

A) Fraction: $\frac{8}{10}$, Decimal: 0.08

B) Fraction: $\frac{3}{4}$, Decimal: 0.8

C) Fraction: $\frac{4}{5}$, Decimal: 0.8

D) Fraction: $\frac{4}{5}$, Decimal: 8.0

D	C	B	A

Write each fraction as a percent and as a decimal.

4. $\frac{3}{20}$

A) Percent: 30%, Decimal: 0.3

B) Percent: 15%, Decimal: 1.5

C) Percent: 3%, Decimal: 0.03

D) Percent: 15%, Decimal: 0.15

D	C	B	A

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5. $1\frac{3}{4}$

A) Percent: 175%, Decimal: 1.75

B) Percent: 134%, Decimal: 1.34

C) Percent: 1.75%, Decimal: 0.175

D) Percent: 75%, Decimal: 0.75

D	C	B	A

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

A) Percent: 62.5%, Decimal: 6.25

B) Percent: 62.5%, Decimal: 0.625

C) Percent: 58%, Decimal: 0.58

D) Percent: 6.25%, Decimal: 0.0625

D	C	B	A

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Write each decimal as a percent and as a fraction in simplest form.

7. 0.89

A) Percent: 8.9%, Fraction: $\frac{89}{10}$

B) Percent: 89%, Fraction: $\frac{8}{9}$

C) Percent: 890%, Fraction: $\frac{89}{100}$

D) Percent: 89%, Fraction: $\frac{89}{100}$

D	C	B	A

8. 0.82

A) Percent: 82%, Fraction: $\frac{82}{100}$

B) Percent: 82%, Fraction: $\frac{41}{50}$

C) Percent: 8.2%, Fraction: $\frac{41}{50}$

D) Percent: 820%, Fraction: $\frac{41}{50}$

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

9. 0.65

A) Percent: 65%, Fraction: $\frac{65}{100}$

B) Percent: 6.5%, Fraction: $\frac{13}{20}$

C) Percent: 65%, Fraction: $\frac{13}{20}$

D) Percent: 650%, Fraction: $\frac{13}{20}$

D	C	B	A

10. About 0.41 of Hawaii's total area is water. Write 0.41 as a fraction and as a percent.

A) Fraction: $\frac{41}{10}$, Percent: 4.1%

B) Fraction: $\frac{41}{100}$, Percent: 41%

C) Fraction: $\frac{4}{10}$, Percent: 410%

D) Fraction: $\frac{41}{1000}$, Percent: 0.41%

D	C	B	A

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11. Over the course of the basketball season, Zane's free throw average went up by 30%. Write 30% as a fraction and as a decimal.

A) Fraction: $\frac{3}{10}$, Decimal: 0.3

B) Fraction: $\frac{3}{100}$, Decimal: 0.03

C) Fraction: $\frac{1}{3}$, Decimal: 0.33

D) Fraction: $\frac{3}{10}$, Decimal: 3.0

D	C	B	A

12. There are 25 students in Muriel's class. Write a percent to represent the number of students that have brown eyes. Then write the percent as a fraction and as a decimal.

Eye Color	Number of Students
Blue	6
Brown	10
Green	7
Hazel	2

A) Percent: 40%, Fraction: $\frac{10}{25}$, Decimal: 0.4

B) Percent: 10%, Fraction: $\frac{1}{10}$, Decimal: 0.1

C) Percent: 25%, Fraction: $\frac{1}{4}$, Decimal: 0.25

D) Percent: 40%, Fraction: $\frac{2}{5}$, Decimal: 0.4

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

13. Multiselect Which of the following are equivalent to 85%? Select all that apply.

- ☐ 0.85
- ☐ $\frac{85}{100}$
- ☐ 0.8
- ☐ $\frac{17}{20}$
- ☐ 85

E	D	C	B	A

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Q16: Estimate the percent of a number by using benchmark percents and rounding

Pages: 119 – (1-12)

الأسئلة الموضوعية - MCQ

For Exercises 1–11, estimate each percent. Show your estimation.

1. 51% of 62 ≈ _____

A) 35

B) 30

C) 25

D) 40

D	C	B	A

2. 26% of 78 ≈ _____

A) 15

B) 25

C) 30

D) 20

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

3. 39% of 198 ≈ _____

A) 80

B) 70

C) 90

D) 60

D	C	B	A

4. 78% of 148 ≈ _____

A) 100

B) 125

C) 120

D) 150

D	C	B	A

5. 19% of 103 ≈ _____

A) 10

B) 20

C) 25

D) 15

D	C	B	A

6. 98% of 59 ≈ _____

A) 50

B) 65

C) 55

D) 60

D	C	B	A

7. Emilia and her three sisters went out to dinner. The total cost of their dinner was $38.75. They want to leave a tip that is 23% of the total bill. About how much of a tip should they leave?

A) $8.00

B) $12.00

C) $10.00

D) $6.00

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

8. Karl earned $188 last month doing chores after school. If 68% of the money he earned was from doing yard work, about how much did Karl earn doing yard work?

A) $95.00

B) $140.00

C) $160.00

D) $110.00

D	C	B	A

9. The concession stand at a football game served 288 customers. Of those customers, about 77% bought a hot dog. About how many customers bought a hot dog?

A) 150

B) 180

C) 250

D) 225

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

10. In a recent season, the Chicago Cubs won 64% of the 161 regular season games they played. About how many games did they win?

A) 104

B) 80

C) 125

D) 60

D	C	B	A

11. The table shows how the 515 students at West Middle School get to school. About how many of the students walk to school?

Method	Percent of Students
Bus	53%
Car	21%
Walk	26%

A) 100

B) 150

C) 125

D) 260

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

12. Open Response Carolyn's homeroom sold 207 magazine subscriptions. Of the magazine subscriptions sold, 28% were for fashion magazines. About how many fashion magazine subscriptions were sold?

A) 40

B) 60

C) 80

D) 50

D	C	B	A

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Q17: Use the standard algorithm to divide multi-digit numbers when solving problems

Pages: 141 – (1-10)

الأسئلة الموضوعية - MCQ

Find each quotient. (Examples 1–3)

1. 52,080 ÷ 15 = _____

A) 3,462 R 5 (أو 3,462.33)

B) 3,480

C) 3,472

D) 3,572

D	C	B	A

2. 38,480 ÷ 26 = _____

A) 1,480

B) 1,470

C) 1,580

D) 1,380

D	C	B	A

للتواصل اضغط الرقم: 0566991363

احصل على الشرح كاملاً بـ 99 درهم فقط

3. 648 ÷ 18 = _____

A) 32

B) 34

C) 38

D) 36

D	C	B	A

4. 3,409 ÷ 14 = _____

A) 243 R 9 (أو 243.64)

B) 243 R 7 (أو 243.5)

C) 242 R 5

D) 244 R 3

D	C	B	A

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5. 8,890 ÷ 40 = _____

A) 221 R 10 (أو 221.25)

B) 221 R 30

C) 222 R 10 (أو 222.25)

D) 220 R 10

D	C	B	A

6. 3,120 ÷ 64 = _____

A) 47 R 48 (أو 47.75)

B) 48 R 32 (أو 48.5)

C) 49 R 16 (أو 49.25)

D) 48 R 48 (أو 48.75)

D	C	B	A

7. 6,750 ÷ 240 = _____

A) 28 R 30 (أو 28.125)

B) 28 R 150 (أو 28.625)

C) 27 R 30

D) 29 R 10

D	C	B	A

8. 4,415 ÷ 800 = _____

A) 5 R 315

B) 5 R 415 (أو 5.51875)

C) 5 R 515

D) 6 R 215

D	C	B	A

9. 5,777 ÷ 160 = _____

A) 36 R 27

B) 35 R 137

C) 36 R 17 (أو 36.10625)

D) 36 R 37

D	C	B	A

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10. The table shows the distances between major cities. Mr. Santiago has a flight from Los Angeles to Toronto. If the plane travels at 520 miles per hour, how many hours long is the flight?

New York to Paris	3,636 miles
Los Angeles to Toronto	2,171 miles

A) 4.17 hours (or about 4.2 hours)

B) 5.15 hours

C) 3.85 hours

D) 4.50 hours

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

Q18: Solve problems by using the standard algorithms for addition, subtraction, multiplication, and division to compute with multi-digit decimals

Pages: 153 – (1-10)

MCQ - الأسئلة الموضوعية

Find each sum. (Example 1)

1. 34.672 + 15.31 = _____

A) 49.782

B) 50.082

C) 49.972

D) 49.982

D	C	B	A

2. 152.875 + 35.4 = _____

A) 188.275

B) 188.175

C) 187.275

D) 188.315

D	C	B	A

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Find each difference. (Examples 2 and 3)

3. 139.65 − 59.623 = _____

A) 80.037

B) 79.937

C) 80.027

D) 80.127

D	C	B	A

4. 352.37 − 231.975 = _____

A) 120.405

B) 120.395

C) 120.385

D) 121.395

D	C	B	A

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Find each product. (Example 4)

5. $0.025 \times 1.24 =$ _____

A) 0.31

B) 0.0031

C) 0.032

D) 0.031

D	C	B	A

6. $17.15 \times 1.062 =$ _____

A) 18.2233

B) 18.2133

C) 18.1133

D) 18.2143

D	C	B	A

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Find each quotient. (Example 5)

7. $32.674 \div 0.016 =$ _____

A) 2042.125

B) 204.2125

C) 2042.25

D) 2052.125

D	C	B	A

8. $3.825 \div 0.25 =$ _____

A) 15.2

B) 153

C) 15.3

D) 1.53

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

9. The table shows the number of miles Roberto hiked each weekend. How many more miles did he hike on weekend two than on weekend one?

Weekend	Miles Hiked
One	21.48
Two	30

A) 8.48 miles

B) 9.52 miles

C) 8.52 miles

D) 9.48 miles

D	C	B	A

10. Equation Editor What is the value of the expression 2,965.7 + 5.8?

A) 2,971.5

B) 2,971.3

C) 2,965.8

D) 29,715

D	C	B	A

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Q19: Apply prior knowledge about multiplication, division, and operations on multi-digit numbers to divide whole numbers by fractions

Pages: 165 – (1-10)

الأسئلة الموضوعية - MCQ

Find the reciprocal of each number.

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

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

B) 1

C) 2

D) -2

D	C	B	A

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

A) $\frac{1}{5}$

B) -5

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

D) 5

D	C	B	A

3. 8

A) $\frac{1}{8}$

B) 8

C) -8

D) $\frac{8}{1}$

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

4. What number multiplied by $\frac{3}{5}$ has a product of 1? (Example 2)

A) $\frac{3}{5}$

B) 1

C) $-\frac{3}{5}$

D) $\frac{5}{3}$

D	C	B	A

5. What number multiplied by $\frac{7}{10}$ has a product of 1? (Example 2)

A) $\frac{7}{10}$

B) $\frac{1}{10}$

C) $\frac{10}{7}$

D) $\frac{3}{10}$

D	C	B	A

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Divide. Write in simplest form. (Example 4)

6. $3 \div \frac{1}{4} =$ _____

A) $\frac{3}{4}$

B) 12

C) 7

D) $\frac{1}{12}$

D	C	B	A

7. $4 \div \frac{2}{5} =$ _____

A) 10

B) $\frac{8}{5}$

C) 8

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

D	C	B	A

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8. $6 \div \frac{2}{3} =$ _____

A) 4

B) 12

C) 9

D) $\frac{4}{3}$

D	C	B	A

9. Marie is making scarves. She has 7 yards of fabric and each scarf needs $\frac{5}{8}$ yard of fabric. Find $7 \div \frac{5}{8}$. Then interpret the quotient. (Example 5)

A) $10\frac{1}{2}$; Marie can make 10 scarves with half a yard remaining.

B) $11\frac{1}{4}$; Marie can make 11 scarves with $\frac{1}{4}$ of a yard remaining.

C) $4\frac{3}{8}$; Marie can make 4 scarves with $\frac{3}{8}$ of a yard remaining.

D) $11\frac{1}{5}$; Marie can make 11 full scarves and has enough fabric for $\frac{1}{5}$ of another scarf.

D	C	B	A

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للتواصل اضغط الرقم:
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10. Roberto is at a tennis day camp. The coach has set aside 2 hours to play mini matches that last $\frac{3}{5}$ hour. Find $2 \div \frac{3}{5}$. Then interpret the quotient.

A) $3\frac{1}{3}$; They can play 3 full mini matches and have enough time left for $\frac{1}{3}$ of another match.

B) $2\frac{2}{3}$; They can play 2 full mini matches and have enough time left for $\frac{2}{3}$ of another match.

C) $4\frac{1}{5}$; They can play 4 full mini matches and have enough time left for $\frac{1}{5}$ of another match.

D) $3\frac{1}{2}$; They can play 3 full mini matches and have enough time left for half of another match.

D	C	B	A

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Q20: Apply prior knowledge about multiplication and division with whole numbers and the division of whole numbers by fractions to divide fractions by fractions

Pages: 175 – (1-7)

الأسئلة الموضوعية - MCQ

Divide. Write in simplest form.

1. $\frac{5}{6} \div \frac{5}{12} =$ _____

A) $\frac{25}{72}$

B) 3

C) 2

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

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

للتواصل اضغط الرقم: 0566991363

2. $\frac{1}{3} \div \frac{1}{9} =$ _____

A) $\frac{1}{27}$

B) 3

C) $\frac{1}{3}$

D) 9

D	C	B	A

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

A) $\frac{3}{98}$

B) 12

C) $\frac{1}{6}$

D) 6

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

4. Romeo had $\frac{3}{4}$ pound of fudge left. He divided the remaining fudge into $\frac{5}{16}$-pound bags. Write and solve an equation that models the situation. Then interpret the quotient. (Example 2)

A) $\frac{3}{4} \div \frac{5}{16} = 2\frac{2}{5}$; Romeo can fill 2 full bags and has enough fudge for $\frac{2}{5}$ of another bag.

B) $\frac{3}{4} \div \frac{5}{16} = 1\frac{4}{5}$; Romeo can fill 1 full bag and has enough fudge for $\frac{4}{5}$ of another bag.

C) $\frac{5}{16} \div \frac{3}{4} = \frac{5}{12}$; Romeo can fill $\frac{5}{12}$ of a bag.

D) $\frac{3}{4} \times \frac{5}{16} = \frac{15}{64}$; Romeo can fill $\frac{15}{64}$ of a bag.

D	C	B	A

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5. Chelsea has $\frac{7}{8}$ pound of butter to make icing. Each batch of icing needs $\frac{1}{4}$ pound of butter. Write and solve an equation that models the situation. Then interpret the quotient. (Example 2)

A) $\frac{7}{8} \div \frac{1}{4} = 4\frac{1}{2}$; Chelsea can make 4 full batches and has butter left for half a batch.

B) $\frac{7}{8} \times \frac{1}{4} = \frac{7}{32}$; Chelsea can make $\frac{7}{32}$ of a batch.

C) $\frac{7}{8} \div \frac{1}{4} = 3\frac{1}{2}$; Chelsea can make 3 full batches and has enough butter for $\frac{1}{2}$ of another batch.

D) $\frac{1}{4} \div \frac{7}{8} = \frac{2}{7}$; Chelsea can make $\frac{2}{7}$ of a batch.

D	C	B	A

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6. Write a story context for $\frac{5}{6} \div \frac{1}{6}$. Then find the quotient. (Example 3)

A) Sarah has $\frac{5}{6}$ yard of ribbon and buys $\frac{1}{6}$ yard more. How much ribbon does she have in total? **Answer:** 1

B) Sarah has $\frac{5}{6}$ yard of ribbon to make bows. If each bow requires $\frac{1}{6}$ yard of ribbon, how many bows can she make? **Answer:** 5

C) Sarah has $\frac{5}{6}$ yard of ribbon and cuts off $\frac{1}{6}$ yard. How much ribbon is left? **Answer:** $\frac{2}{3}$

D) Sarah has $\frac{5}{6}$ yard of ribbon and shares it equally among 6 friends. How much does each friend get? **Answer:** $\frac{5}{36}$

D	C	B	A

7. Equation Editor What is the value of the expression $\frac{2}{5} \div \frac{1}{6}$?

A) $2\frac{2}{5}$ (or $\frac{12}{5}$)

B) $\frac{1}{15}$

C) $1\frac{1}{5}$

D) $\frac{5}{12}$

D	C	B	A

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احصل على الشرح كاملاً بـ 99 درهم فقط

Q21: Represent a collection of equivalent ratios as ordered pairs - Graph a ratio relationship on the coordinate plane

Pages: 24 , 27 - Example 1 , (1-3)

الأسئلة المقالية - FRQ

T amara is making charm bracelets for several friends. She uses 6 beads for every charm.

Generate the set of ordered pairs for the ratio relationship between the number of beads *y* and the number of charms *x* for a total of 1, 2, 3, and 4 charms. Then graph the relationship.

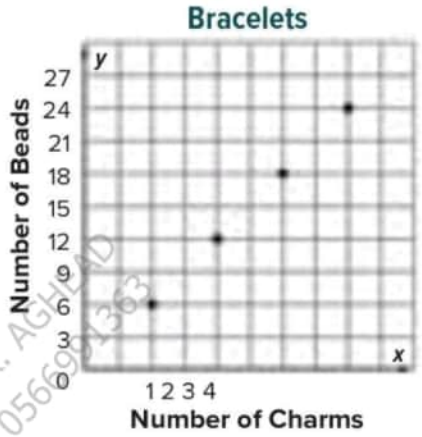
Part A Create a table of ordered pairs.

Let the *x*-coordinates represent the number of charms and the *y*-coordinates represent the number of beads.

Charms, *x*	Beads, *y*
1	6
2	12
3	18
4	24

Use scaling to complete the table to write the equivalent ratios for 2, 3, and 4 charms. The ordered pairs are (1, 6), (2, 12), (3, 18), and (4, 24).

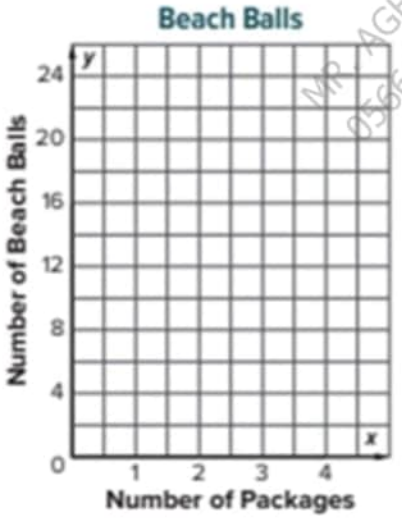
Part B Graph the ordered pairs on the coordinate plane.

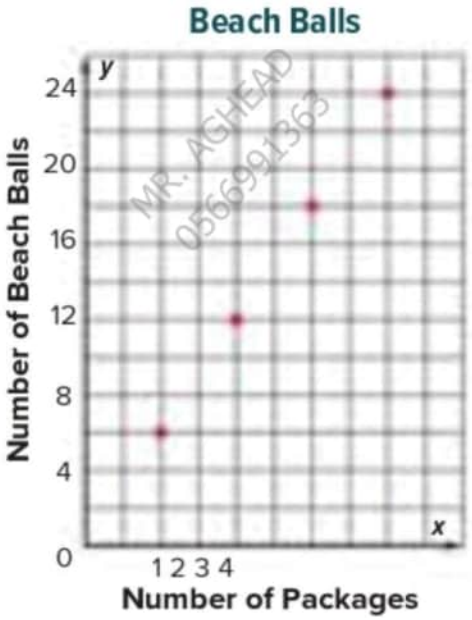


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احصل على الشرح كاملاً بـ 99 درهم فقط

1. Lulah is buying beach balls for her beach themed party. Each package contains 6 beach balls. Generate the set of ordered pairs for the ratio relationship between the number of beach balls y and the number of packages x for a total of 1, 2, 3, and 4 packages. Then graph the relationship on the coordinate plane and describe the pattern in the graph. (Examples 1 and 2)

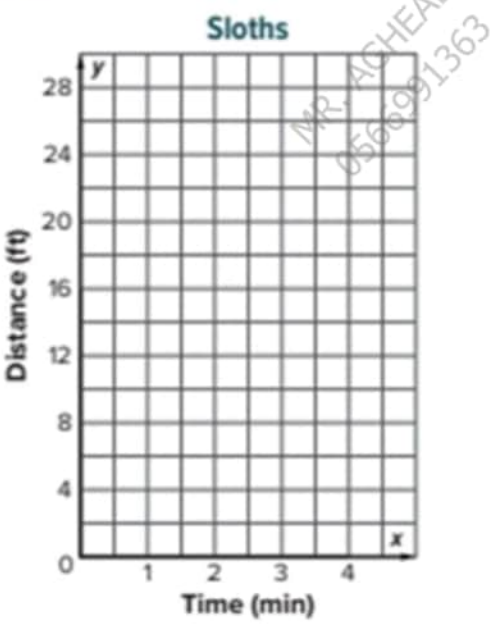




(1, 6), (2, 12), (3, 18), (4, 24); Sample answer: The points appear to be in a straight line. Each point is 6 units up from and 1 unit to the right of the previous point. This means that the number of beach balls increases by 6 as the number of packages increases by 1.

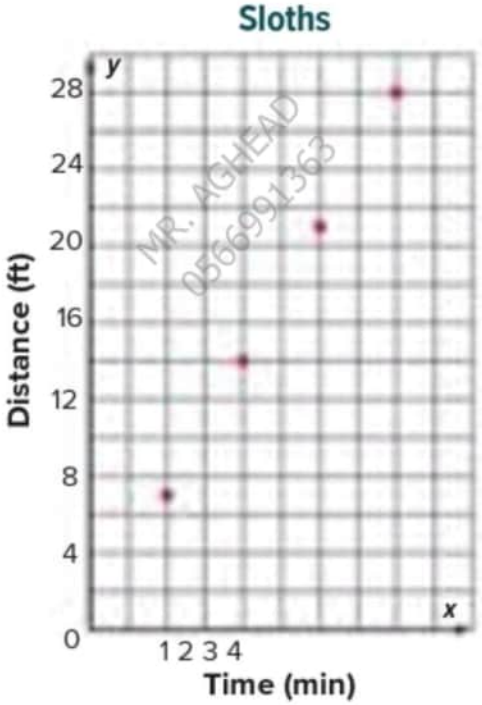
احصل على الشرح كاملاً بـ 99 درهم فقط

للتواصل اضغط الرقم: 0566991363



2. A sloth travels about 7 feet every minute. Generate the set of ordered pairs for the ratio relationship between the total distance traveled *y* and the number of minutes *x* for a total of 1, 2, 3, and 4 minutes. Then graph the relationship on the coordinate plane and describe the pattern in the graph.

(Examples 1 and 2)

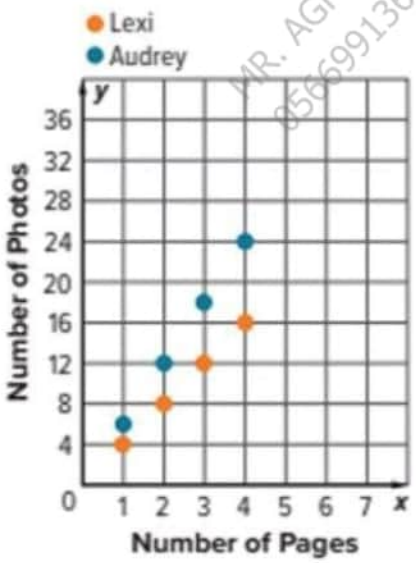


(1, 7), (2, 14), (3, 21), (4, 28); Sample answer: The points appear to be in a straight line. Each point is 7 units up from and 1 unit to the right of the previous point. This means that the distance travelled increases by 7 feet as the number of minutes increases by 1 minute.

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احصل على الشرح كاملاً بـ 99 درهم فقط

3. Two friends are making scrapbooks. The number of photos Lexi and Audrey place on each page of their scrapbooks is shown in the graph. Describe the ratio relationship for each person.



Sample answer: The ratio of photos to pages for Lexi's scrapbook is 4 : 1. The ratio of photos to pages for Audrey's scrapbook is 6 : 1. Audrey uses more photos per page than Lexi.

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Q22: Solve real-world problems involving ratio relationships by using bar diagrams, double number lines, and equivalent ratios

Pages: 45 – (1-8)

الأسئلة المقالية - FRQ

1. A survey showed that 4 out of 5 students own a bicycle. Based on this result, how many of the 800 students in a school own a bicycle?

640 students

2. A survey of Mr. Thorne's class shows that 5 out of 8 students will buy lunch today. Based on this result, how many of the 720 students in the school will buy today?

450 students

3. The ratio of the number of baskets made by T ony to the number of baskets made by Colin is 2 to 3. T ony made 10 baskets. How many baskets did Colin make?

15 baskets

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4. In the school choir, there is 1 boy for every 4 girls. There are a total of 11 boys. How many girls are in the choir?

44 girls

5. Liberty Middle School has 600 students. In Anna's class, 3 out of 8 students walk to school. How many students at the school can be expected to walk to school?

225 students

6. Pine Hill Middle School has 300 students. In Zoey's class, 2 out of 5 students belong to a club. How many students at the school would you expect belong to a club?

120 students

7. In a survey, the ratio of students who prefer popcorn to potato chips is 3 to 4. If the number of students surveyed who prefer popcorn is 360, how many preferred potato chips?

480 students

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احصل على الشرح كاملاً بـ 99 درهم فقط

8. Open Response In a neighborhood, the ratio of houses with swing sets to houses without swing sets is 3 to 5. If the number of houses with swing sets is 270, how many houses do not have swing sets?

450 houses

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احصل على الشرح كاملاً بـ 99 درهم فقط

Q23: Find the percent of a number by reasoning about percent as a rate per 100 and by using bar diagrams, ratio tables, equivalent ratios, and double number lines

Pages: 111 - (1-9)

الأسئلة المقالية - FRQ

1. The graph shows the career interests of the students at Linda's school. Suppose there are 400 students at the school. How many of them want to be an athlete? (Example 1)



48 students

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2. The graph shows the favorite activities of campers at a summer camp. Suppose there are 300 campers at the camp. How many campers favor fishing? (Example 1)



42 campers

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Use any method to find the percent of each number. (Examples 2–4)

3. 15% of 240 = _____

4. 65% of 180 = _____

5. 250% of 82 = _____

6. 150% of 44 = _____

7. 0.15% of 350 = _____

8. 0.4% of 168 = _____

Use any method to find the percent of each number .(Examples 2–4)

3. 15% of 240 = 36

4. 65% of 180 = 117

5. 250% of 82 = 205

6. 150% of 44 = 66

7. 0.15% of 350 = 0.525

8. 0.4% of 168 = 0.672

9. Open Response Kenzie is putting the family vacation videos onto a flash drive. The flash drive can hold 200 minutes of video. Kenzie has used 45% of the memory space already. How many minutes of the flash drive has she already used?

90 min

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Q24: Find the whole, given the part and the percent by using bar diagrams, ratio tables, double number lines, and equivalent ratios

Pages: 127 – (1-8)

الأسئلة المقالية - FRQ

1. Y olanda's club requires that 80% of the members be present for any vote. If at least 20 members must be present to have a vote, how many members does the club currently have?

25 members

2. Action movies make up 25% of Sara's DVD collection. If she has 16 action DVDs, how many DVDs does Sara have in her collection?

64 DVDs

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3. Marcus saved $10 because he bought a baseball glove that was on sale for 40% off. What was the original price of the baseball glove?

$25

4. Of the students in the marching band, 55% plan to go to the school dance. If there are 110 students in the marching band that are going to the dance, how many students are in the marching band?

200 students

5. Melcher used 24% of the memory card on his digital camera while taking pictures at a family reunion. If Melcher took 96 pictures at the family reunion, how many pictures can the memory card hold?

400 pictures

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6. Mallorie has $12 in her wallet. If this is 20% of her monthly allowance, what is her monthly allowance?

$60

7. The table shows the number of minutes Tim has for lunch and study hall. He calculates that these two periods account for 18% of the minutes he spends at school. How many minutes does he spend at school?

Period	Number of Minutes
Lunch	45
Study Hall	45

500 minutes

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احصل على الشرح كاملاً بـ 99 درهم فقط

8. Open Response The number of sixth grade students accounts for 35% of the total number of students enrolled in middle school. There are 245 sixth grade students. How many students are enrolled in the middle school?

700 students

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Q25: Apply prior knowledge about division and reciprocals to divide fractions by whole and mixed numbers

Pages: 185 – (1-10)

الأسئلة المقالية - FRQ

1. The drama teacher is making bandanas for costumes. She is cutting $\frac{1}{2}$ yard of fabric into 6 bandanas of the same size. Write and solve an equation to find how much fabric there will be for each bandana. (Example 1)

$\frac{1}{2} \div 6 = \frac{1}{12} \cdot \frac{1}{12}$ yd

2. A landscape designer has $\frac{4}{5}$ ton of mulch to divide equally among 8 customers. Write and solve an equation to find how much mulch each customer will receive. (Example 1)

$\frac{4}{5} \div 8 = \frac{11}{10} \cdot \frac{}{10}$ ton

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احصل على الشرح كاملاً بـ 99 درهم فقط

Divide. Write in simplest form. (Examples 2 and 3)

3. $2\frac{4}{5} \div 4 =$ _____

4. $6\frac{2}{3} \div 8 =$ _____

5. $4\frac{2}{3} \div 6 =$ _____

6. $3\frac{3}{5} \div 1\frac{1}{2} =$ _____

7. $3\frac{3}{4} \div 1\frac{2}{3} =$ _____

8. $4\frac{1}{2} \div 2\frac{7}{10} =$ _____

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Divide. Write in simplest form (Examples 2 and 3)

3. $2\frac{4}{5} \div 4 = \frac{7}{10}$

4. $6\frac{2}{3} \div 8 = \frac{5}{6}$

5. $4\frac{2}{3} \div 6 = \frac{7}{9}$

6. $3\frac{3}{5} \div 1\frac{1}{2} = \frac{12}{5}$ or $2\frac{2}{5}$

7. $3\frac{3}{4} \div 1\frac{2}{3} = \frac{9}{4}$ or $2\frac{1}{4}$

8. $4\frac{1}{2} \div 2\frac{7}{10} = \frac{5}{3}$ or $1\frac{2}{3}$

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9. Jeanne has $3\frac{7}{8}$ yards of fabric. The table shows the amount of fabric she needs for different items. How many pairs of shorts can she make? **3 pairs**

Clothing Item	Fabric Needed (yd)
Shirt	$1\frac{3}{4}$
Shorts	$1\frac{1}{4}$

10. Equation Editor What is the value of the expression $5\frac{5}{8} \div 3\frac{3}{4}$?

$1\frac{1}{2}$

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احصل على الشرح كاملاً بـ 99 درهم فقط



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