

GRAYS TUITION CENTRE – Online Tutoring

WEEK: 5

Week Beginning: (18/01/2021)

Subject: MATHS

Year: 5

Lesson Objective:

- Understand how to approach word problems
- Build confidence in word problem by developing a clear strategy
- Be able to accurately solve word problems
- Understanding x and y co-ordinates

Class Worksheets

- Warm-up on co-ordinates questions
- Easy to Hard word problems

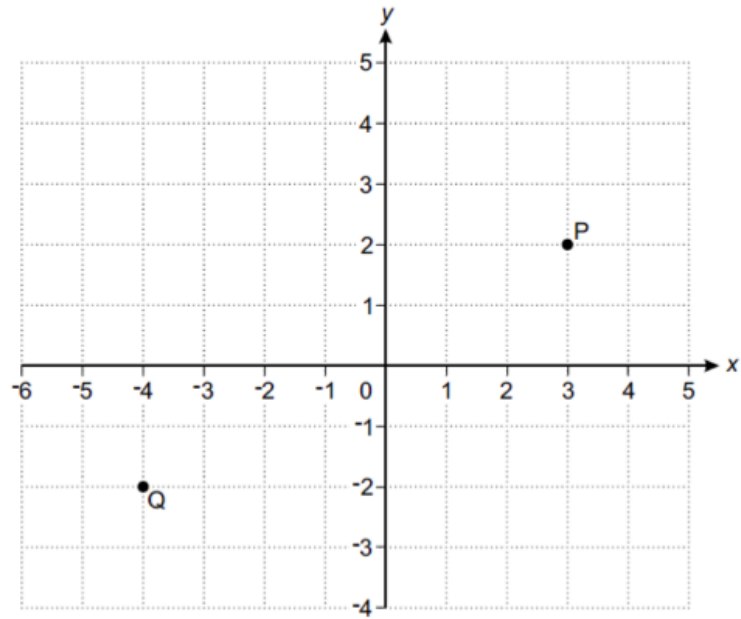
Homework

- Word Problems from a range of maths concepts

Additional Notes

- All lesson worksheets and **homework for next week (due Week 6)** worksheets can be found below
- Previous week homework will be marked in lesson

1. Points P and Q are shown on this grid.



a) (i) Write down the coordinates of point P.

(a)(i) (..... ,) [1]

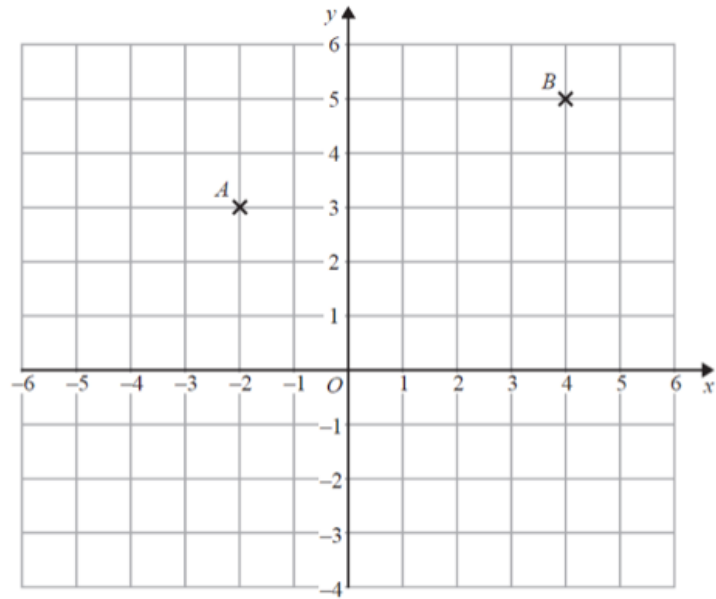
(ii) Write down the coordinates of point Q.

(ii) (..... ,) [1]

(b) Plot point R at (-2, 0).

[1]

3.



(a) Write down the coordinates of point B.

(.....,) [1]

(b) Find the coordinates of the midpoint of AB.

(.....,) [1]

Write equations with variables

Grade 5 Word Problems Worksheets

Write equations for the unknowns and solve the equations.

1. The beach is x miles away from home. Josh drove to and from the beach with a total distance of 36 miles. Find x .
2. Emily bought some ice cream cones which cost \$24. She paid $\$m$ and got back \$6 of change. Find m .
3. In the morning, there were t people at the beach. Later at noon, $\frac{2}{7}$ of the people left the beach and there were 30 people left on the beach. Find t .
4. Joshua brought c beach toys to the beach. He shared them with 6 other friends. Each of them got 4 beach toys. Find c .
5. Mariah promised her children they would play on the beach for 90 minutes. After they played for y minutes, she reminded the children that they would be leaving in 15 minutes. Find y .

6. Norah bought 2 bottles of water, each with a capacity of 500ml. After Norah and her sister each drank z ml from the bottles, they have total of 340 ml of water left. Find z .



Write equations with variables

Grade 5 Word Problems Worksheets

Write equations for the unknowns and solve the equations.

1. The train was scheduled to leave at 50 minutes after noon but due to maintenance, the train left a minutes later than the scheduled time. At the end, the train left 85 minutes after noon. Find a .
2. A flight has 194 seats. After n tickets are sold for this flight, 38 seats are available. Find n .
3. Each passenger can bring 2 pieces of luggage with a weight of up to d kilograms. The maximum weight each passenger can carry is 70 kilograms. Find d .
4. A train has e cars and can take 464 passengers. Each car can take up to 116 passengers. Find e .
5. There are 280 passengers taking a bus route everyday. In b days, there are total of 1,400 passengers. Find b .
6. To encourage people to take the bus, the bus company offers a round trip ticket. One-way bus fare is $\$f$ and a round-trip ticket cost $\$13$, which gives passengers a discount of $\$3$. Find f .



Fraction multiplication word problems

Grade 5 Word Problems Worksheets

Read and answer each question:

1. There was $\frac{5}{8}$ of a pie left in the fridge. Daniel ate $\frac{1}{4}$ of the leftover pie. How much of a pie did he have?
2. Olivia took out 8 glasses and poured juice from the pitcher. The capacity of each glass is $\frac{3}{10}$ liter. If there was enough juice for 6 glasses, how much juice was there?
3. Pam baked some cupcakes for her friends. She baked 24 cupcakes. Each cupcake is $\frac{2}{15}$ pound. If she packed 6 cupcakes in each box, what is the weight of each box?
4. According to a recipe, each batch of pancake mix can make 12 pancakes. Kathy is making 3 batches for a brunch party. If each batch needs $\frac{7}{12}$ cups of milk, how much milk does she need in total?
5. There are $\frac{7}{8}$ kilograms of salt in the kitchen. Mrs. Jackson used $\frac{2}{15}$ of the salt when she was preparing dinner. How much salt did she use?
6. According to a recipe, $\frac{9}{20}$ oz. of sugar is needed to make 6 cookies. Ashley decided to use only a third of the sugar to make it healthier. How much sugar did Ashley use?



Homework Questions:

Read and answer each question:

1. A package that is heavier than 11 lb. and 8 oz. will have a label that says "heavy" on it. Gloria packed 6 flower pots to send to her customers. Each of the flower pots weighs 1 lb. and 12 oz. The packing material weighs 5 oz. Will her package be labeled as "heavy"?
2. A packing box can hold up to 15 lb. If Jack puts 9 lb. and 12 oz. of clothes in the box, how much more weight can the packing box hold?
3. Will is unpacking a box of utensils. The total weight of the box of utensils is 4 lb. and it contains 16 forks. What is the weight of each fork?
4. Carrie is packing to move to another apartment down the hall. She packed 24 boxes. Each box can hold up to 8 lb. The trolley she is using to move can take up to 32 lb. How many trips does it take her to move if she only has one trolley?
5. Hannah ordered some office supplies. When the supplies were delivered, they came in 2 boxes. The big box weighed 8 lb. 7 oz. and the small box weighed 6 lb. 12 oz. What is the total weight of the supplies?
6. A moving truck can take up to 4,530 lb. of cargo. Oliver packed 50 boxes; each box weighs 34 lb. After Oliver loaded all the boxes, the truck can take about _____ lb. more of cargo.
 - a. 2,800
 - b. 1,200
 - c. 4,200



Read and answer each question. Show your work!

1. A company donates 935 pencils to a school. The pencils are divided evenly among 9 classrooms. The rest of the pencils are given to the library. How many pencils were donated to each classroom and to the library?
2. Manny owns 83 sets of basketball cards. Each set has exactly 504 cards. What is the total number of basketball cards Manny owns?
3. The city park is $9\frac{2}{5}$ miles from Roland Elementary School. The city library is $3\frac{3}{10}$ miles from the same school. How much farther from the school is the park than the library?
4. Ginny paid \$4.16 for a sandwich. She paid \$0.95 for a piece of fruit. What is the total amount Ginny paid for the sandwich and fruit?
5. Randa ate $\frac{3}{8}$ of a pizza, and Marvin ate $\frac{1}{4}$ of the same pizza. What fraction of the pizza did Randa and Marvin eat?

Read and answer each question. Show your work!

1. Suppose you want to buy three loaves of bread that cost \$1.50 each and a jar of peanut butter that costs \$4. A jar of jelly is \$2.75, but you don't need any jelly. You have \$10. How much money will you have left over?

2. The star running back on our football team got most of his total yardage running. The rest was catching passes. He caught passes for 60 yards. His total yardage was 150 yards. The running back for the other team got 200 yards. How many yards did the star running back on our football team get running?

3. The average temperature in Lincoln in July is 85 degrees. Last Wednesday, it was 90 degrees. Today it was 15 degrees cooler than last Wednesday. What was the temperature today?

4. Julie's yard is rectangular. One side of the yard is 100 feet wide. The total area of the yard is 3,000 square feet. What is the length of the other side of the yard?

5. Joanna has 3 more books in her backpack than Sophie. If Sophie has n books, how many does Joanna have?

6. Martin has a business washing cars. Last year he washed 20 cars a week. This year, he wants to increase his business to 1,200 cars a year. How many cars will he have to wash each month on average?

7. Michelle has \$80 to buy a new outfit. She found a skirt for \$20, a blouse for \$25, and a belt for \$8. How much does she have left to buy shoes?

8. In track last week, the boys ran sixteen laps. The girls ran four more laps. Each lap is a quarter of a mile. How many miles did the girls run?