

I'm not robot!

Word Problems WORKSHEET#5

Answer the following questions.

At the beginning of October, a team of scientists started to investigate a huge ant colony.

- The colony takes up 895 square meters of land. According to the scientist estimation, there are 300 ants living in each square meter, what is the estimated population of this ant colony?
- The scientists also estimated there are 1 queen ant for every 450 ants. How many queen ants are there?
- At the end of the second week of October, the population of the ant colony was increased by 109 548. What was the population of the ant colony after two weeks?
- At the end of the third week of October, a flood hit the area where the ant colony is located. The population of the ant colony was decreased by a quarter compare to the end of second week of October. What is the population of the ant colony at the end of third week?
- The scientist predicts the ant colony will decrease in size when it is December. The population of the colony will be decreased by 512 every day. If the population of the ant colony is 326 129 at the beginning of December, what will be the population at the end of second week of November?

K5 Learning

Fraction mixed operations word problems

Grade 5 Word Problems Worksheet

- Ellen planned to interview some applicants for a position in her office. If she scheduled $\frac{1}{6}$ of an hour to meet each of them, how much time did she schedule for all 6 applicants?
- Instead of $\frac{1}{6}$ of an hour, Ellen spent $\frac{1}{3}$ of an hour to meet each applicant. How much more time did she spend meeting all the applicants?
- After the interview, Ellen decided to hire two of the applicants and reject the others. Ellen's assistant called back the applicants to tell them the result. She spent $\frac{1}{30}$ of an hour calling each of the rejected applicants and $\frac{1}{6}$ of an hour calling the hired applicants. How much time did the assistant spend making these calls?



Reading and Math for K-5 www.k5learning.com

PROBLEM SOLVING: LITERACY-BASED

Math 5.3B

NAME	SCORE	DATE

1. How many pages are there in the book?
2. How many pages are there in the book?
3. How many pages are there in the book?
4. How many pages are there in the book?
5. How many pages are there in the book?
6. How many pages are there in the book?
7. How many pages are there in the book?
8. How many pages are there in the book?
9. How many pages are there in the book?
10. How many pages are there in the book?

Name _____ Date _____

MULTIPLICATION PROBLEMS 5.3B

Have a go at solving these multiplication problems.
Can you spot the 'trick' problem which is not a multiplication problem?

- A camera is able to take photos at a rate of 2.4 frames per second. How many frames could the camera take in half a minute? 
- Flame sells raffle tickets for £2.50 each. How many tickets does she need to sell to make £70? 
- There is 181 calories in a chocolate bar. How many calories in a pack of 12 bars?
- There is 8.6mg of iron in a cup of Captain's cereal. There are 6 cups in a packet. How much iron is in a packet? 
- There are about 28 grams in an ounce. The weight of a baseball is about 5 ounces. How many grams? 
- Newton runs 0.8 miles a day. How far will he have run in 12 weeks?
- Captain Salamander earns £1.20 a day through his website. How much money will he make in July? 
- There is 5.19g of fat in a peanut butter cup. A packet contains 3 cups. Tyger eats one packet. How many grams of fat has he eaten?

Did you spot the trick problem?

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K5 Learning

Grade 5 Math Word Problems Worksheet

Read and answer each question. Show your work!

Dividing Fractions Word Problems #1

- You have 2/4 of a pizza and you want to share it equally between 2 people. How much of the pizza does each person get?
- A baker is making cakes for a big party. She uses 1/4 cup of oil for each cake. How many cakes can she make if she has a bottle of oil that has 6 cups in it?
- The serving size for the granola that Ted likes to eat for breakfast is 3/4 cup. How many servings are there in a box that holds 12 cups?
- How many 1/2 cup servings are in a package of cheese that contains 5 1/2 cups altogether?
- Ms. Murphy's class is making yellow cases. Each yellow case uses 3/4 of a yard of fabric. How many yellow cases can they make out of 12 1/2 yards of fabric?
- A book shelf is 3 1/2 feet long. Each book on the shelf is 5/8 inches wide. How many books will fit on the shelf?

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Save these sheets Need help with printing or saving? Save these 3 easy steps to get your worksheets printed out perfectly! How to Print or Save these sheets printed out perfectly! The Math Salamanders hope you enjoy using these free printable worksheets and all our other Math games and resources. We welcome any comments about our site or worksheets on the Facebook comments box at the bottom of every page. Opening your daily math lesson with a Fifth Grade Math Word Problem of the Day is an excellent way to set the stage for learning! Incorporate them at the start of your math block to build confidence, critical thinking skills, and a learning community. Students will get used to reading for meaning, while also identifying key information. Encourage students to write out equations and draw pictures to explain their thinking, since this helps them see the light when they are stuck! Topics in these fifth grade math word problems cover patterns & place value, addition/subtraction, multiplication, division, fractions, decimals, measurement, and comparisons. If you'd like even more math word problems, we publish them daily on our kid-friendly site: the Daily Classroom Hub. Make sure to bookmark the link! Want this entire set of word problems in one easy document? Get your free PowerPoint bundle by submitting your email here. All you need to do is post one of the problems on your whiteboard or projector screen. Then let kids take it from there. 50 Fifth Grade Math Word Problems 1. Three trains pulled into the station at 3 p.m. The Menton train had 2,589 passengers. The Reston train had 671 passengers. The Pearson City train had 1,024 passengers. How many passengers were there all together? 2. Grow Up Farmer's Market had 4 crates of lemons delivered. One crate had 2,100 lemons. Two other crates had 2,010 lemons. The last crate had 1,999 lemons. How many lemons were delivered in all? 3. Ruffle Truffle Candy Company got an order for 850 chocolate truffles from the candy shop. They also got an order for 7,309 truffles from a food store. Then one more order came in for 3,125 truffles from a restaurant. How many truffles does the factory have to make to fill these orders? 4. The Tri-City Peninsula has 3 cities. 405,245 people live in Sunset City. 695,212 people live in Sunrise City. 415,937 people live in Sunup City. How many people live on Tri-City Peninsula all together? 5. Smiley's Greeting Card Store ordered 25,294 birthday cards and 15,280 Mother's Day cards to sell last year. They sold 11,065 Mother's Day cards and 24,229 birthday cards. How many birthday cards did they have left? 6. Flyaway Airlines has 3 flights to New Park City every day from San Sandoz. Each plane seats 400 passengers. On Monday, the first flight had 325 passengers. The second flight had 387 passengers. The third flight had 221 passengers. How many empty seats were there all together? 7. In 1999 a million people lived in Western Deskatertia. 350,268 are native to that country. The rest have moved there from another country. How many people have moved there from somewhere else? 8. Birthday candles from The Happy Hippy Candle Company are sold in packs of 8. They manufactured 6,000 boxes this past week and sold 8,000 candles. How many boxes of candles did they sell this past week? 9. Some of the new books in the South City Library were non-fiction. There were 25,025 new hardback books and 7,333 new paperbacks. 15,000 hardbacks were fiction. How many hardback books were non-fiction? 10. Giganto Mall has 6 levels. The top 5 levels each have 2,950 workers. There are 15,000 workers at the mall. How many workers work on the bottom level? 11. There are 96 frozen turkeys and 65 hams in the meat freezer at Frosty Food Mart. Each turkey weighs 19 pounds. Each ham weighs 10 pounds. How much do the turkeys weigh all together? 12. Each new dictionary purchased for the school has 355 pages. There are 35 dictionaries ready for each classroom. They weigh almost 300 pounds. How many pages is that in total? 13. Each Penguin Fruit Tree has 10,251 leaves. There were 96 fruit trees in Uncle Arch's Orchard. Half of them were Penguin Fruit Trees. How many leaves were there on those Penguin Fruit Trees all together? 14. Benny's Bait Shop sells worms in 12 packs. There are twelve packs in a gross. They sold 12 gross of worms this week. How many worms did they sell this week? 15. The Kwik Kar Rental Company has 27 locations in 12 states. They have 1,350 cars to rent out. If they distribute all the cars evenly among their locations, how many cars will each location get? 16. It was a sellout crowd at the football game. There were 42,500 fans in attendance. Every seat was filled. There are 85 rows of seats that wrap around the stadium. There is the same number of seats in every row. How many fans were seated in each row? 17. Mr. Sketch had 180 colored pencils in his classroom art bin. He bought new boxes of colored pencils that had 10 in a box. Now he has 400 colored pencils. How many new boxes did he buy? 18. 4,500 people arrived at the stadium for the rock concert on buses. Another 4,500 came by train. The rest came in cars. Each bus could hold 225 people and every bus was filled. How many buses were there? 19. Super Duper Corporation pays rent on their big headquarters building every month. Last year they paid \$60,756 in rent and about the same amount on heat. They pay the same amount every month for the rent. How much is the rent per month? 20. Straight Arrow Dress Shirts sold a lot of dress shirts last month. Each shirt has 7 buttons down the front and 1 button on each sleeve. They used 72,000 buttons on the shirts sold last month. How many shirts did they sell? 21. Lake Louie has boats that take tourists on cruises around the lake. On Saturday ,8,112 tourists wanted to cruise around the lake. 3 boats cruise at a time in a shift. Each boat holds 500 people. A cruise lasts 30 minutes. How many shifts did they need to run so every tourist could cruise? 22. Superstar Sam is a professional baseball player and practices pitching every day. He spent 12,000 minutes practicing his pitching in July. He practices batting for 1 hour each week. How many hours did he practice his pitching in July? 23. The new sidewalk leading up to the front door of Elemental Elementary School was 55 feet long and 36 inches wide. 25 feet of it were painted gold and the rest was silver. How many inches long was the silver section? 24. The Dig-It Mining Company dug up 12,000 pounds of a rare mineral, Bobodium, every day for a week. They sell it in 8 ounce boxes. How many boxes will they need to pack up that week's Bobodium? 25. Rita Writealot, the famous author, is visiting Collegial College and giving everyone who attends one of her two lectures, 2 of her books. 600 people came to her first lecture. The second lecture had a good turnout also. She gave out 2,468 books all together. How many people came to her second lecture? 26. Mr. Amazing is preparing his magic act. He has 12,366 gold coins that he uses in one of his acts. He uses some in each scheduled appearance. He put aside 229 gold coins for each appearance. How many appearances is he planning on? 27. Rick has 4/5 of a Choco-bar. Sid has 6/7 of a Choco-bar. Nick has 6/8 of a Choco-bar. Who has the biggest piece of a Choco-bar? 28. Ginny has 6/4 of some watermelons. William has 3/9 of another watermelon. Steve has 1/2 of a different watermelon. Who has the smallest amount of watermelon? 29. Luz is going to make a cheese dip. She bought 1/2 pound of American cheese. She also bought 3/4 pound of Swiss cheese and 1/4 pound of Cheddar cheese. How much cheese did she buy? 30. Mercy had to select how much of a pepperoni pizza she wanted. She could have 7/8, 8/16, or 8/10. If she wants the most pizza, which amount should she choose? 31. Explorer Elmo Adventure found an ancient site with gold bars. He found three. The first was 5/12 of a pound. The second bar was 7/12 of a pound, and the third was 3/6 of a pound. How much did the bars weigh all together? 32. Sandy had 3/4 of a loaf of fresh baked bread her mom made. She gave half of it to her cousin Stella. How much of the loaf did Sandy have left? 33. The fifth grade teacher, Ms. Marvelous, had 9/10 of an apple pie. She gave 3/10 to her principal, Mr. Pal, and 3/10 to her co-teacher, Mrs. Merry. How much pie did Ms. Marvelous have left? 34. Grace was laying pieces of ribbon she had end-to-end. The blue piece was 3/12 of a foot. The red piece was 1/2 of a foot and the white piece was 8/12 of a foot long. How long was the total? 35. Rob was reading a book that had 400 pages. He read 1/3 of it on Monday and another 1/4 of it on Tuesday. What fraction of the book does he have left to read? 36. Ty had 1/2 of his whole birthday cake left. He gave his sister, Janelle, 1/4 of that. How much of the whole cake did Janelle get? 37. The high school football team was meeting for the first time for practice. There were 64 players. 3/4 of them were seniors. The rest were underclassmen. How many players were underclassmen? 38. The treasure hunters dug up a shoebox with \$1,500 in it. There were five people on the treasure hunter team, so each got to keep 1/5 of the money. How much money did each person get to keep? 39. Tristan only has 1/8 of his deck left to paint. The whole deck has a total area of 100 square feet. He figured he could get 1/2 of what's left done on Friday and the rest on Saturday. How fraction of the total deck does he plan to paint on Saturday? 40. Three friends were keeping track of their running. These are the results from their runs on Saturday. Paige ran 0.75 miles. Tanner ran 0.09 miles. Liza ran 0.706 miles. Who ran the farthest? 41. Gary's professional kickball cards are divided among 3 teams. 1/4 of his cards are San Francisco Seals players. 0.25 are New York Yaks players. The rest play for the Nova Scotia Salmon. What decimal would best describe how much of his collection is Salmon players? 42. Molly the miner was weighing small amounts of gold dust. She had 3 packets of gold dust. They weighed 0.29 ounces, 1.07 ounces, and 0.92 ounces. She has to get 3 ounces of gold dust before she sells it. How much more gold dust does she need to make the sale? 43. Heather has 4 bank accounts. The first has \$25.09 in it. The second has \$106.75 in it and the third and fourth each have \$108.08 in them. What is the total amount of money Heather has in these accounts? 44. Each member of Kirk's family got a payment of \$1,070.09 from their family business. There are 12 people in Kirk's family, including him. They range in age from 12 to 99. How much did the family get paid in total? 45. The number of t-shirts Ollie sells at the flea market runs in a predictable pattern. He sold 120 shirts in January, 60 shirts in February, 240 shirts in March, 120 shirts in April, 480 shirts in May, and 240 shirts in June. If the pattern of sales continues, how many shirts will he sell in August? 46. A number code is used to unlock the special vault. Three numbers must be entered in the correct order on a keypad numbered 0-100. The first is an odd number less than 20 that has 2 digits, both the same. The second number is even and is 1/2 of the number that is 1/4 of 16. The third number is the product of the first two numbers and then doubled. What is the code? 47. Kim noticed this pattern on an old piece of parchment. 2, 5, 11, 23, 47, 95. Kim figured out the next two numbers. What are they? 48. Al is 5 years older than Ted. Ted is 2 years older than Alice. Alice is a year younger than Fran. Fran is 8 years old. How old is Al? 49. Liam finally got to the ferry dock at 4 p.m. He had taken the train to the ferry from Chairtown station. That train took half an hour to get to the ferry. To get to the station, he had driven for 4 and a half hours from Deskville Airport. He flew to Deskville from Tabletown Aiport that morning. The flight was 2 and a half hours. What time did he fly out of Tabletown Airport? 50. Chris worked three jobs on Saturday. She mowed a lawn and finished it at 6 p.m. She washed windows for 3 hours. She also washed, waxed, and vacuumed 3 cars. Each car took an hour and a half to do. Chris started her day working at 9 a.m. How many minutes did it take her to mow the lawn? Enjoying these fifth grade math word problems? Check out our fifth grade hub for even more resources. Get a PPT version of these word problems.

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