Easter Math Word Problems

Name: _____ Date: _____

1. Willian was so excited about the upcoming Easter egg hunt on Sunday at 2:00 pm that he figured out that it was exactly 52 hours away. On what day and and what time did Willian figure this out?

2. Thad found the following Easter eggs in the Easter egg hunt: twelve orange, eleven purple, nine pink, eleven yellow, four green and eight blue. Each orange egg contained three candies; purple and yellow eggs contained two candies each; pink and green eggs contained one candy each; and blue eggs contained six candies each. How many candies did Thad get all together?

3. Belinda decided to decorate one hundred Easter cupcakes and give them to her friends. Each batch required four cups of powdered sugar to make the icing necessary for sixteen cupcakes. How many cups of powdered sugar did she use for all one hundred cupcakes?

4. Adrienne filled a jar with jelly beans and ran a competition to see if anyone could guess how many jelly beans were in the jar. The correct number was five hundred eighty-one, but she got a variety of guesses from ten of her friends: two-hundred fifty, one thousand nine hundred ninety-nine, five hundred, seven hundred fifty, six hundred twelve, six hundred nineteen, one thousand, three hundred fifty-five, six hundred seven, and seven hundred forty-four. Adrienne wanted to tell everyone how far they were off the correct amount and the average amount everyone was off. List the amount each person was off and calculate the average.

Easter Math Word Problems

Name: _____ Date: _____

5. Jonathan made seven Easter baskets for needy children with donations of money from the community. In the end, Jonathan had ten dollars and twenty-five cents left over which he donated to the local food bank. Each basket contained twelve dollars and fifty-five cents worth of candy and gifts. How much money did Jonathan receive in donations from the community?

6. Christa's mother is an egg farmer. Two years ago, she sold twenty-four thousand dozen eggs for thirty-six thousand dollars. Last year, there was more demand for eggs, so she needed to sell five percent more eggs and each dozen was worth twenty percent more. How many dozen eggs did she sell last year and for how much? How many eggs was that?

7. If every letter is given a value based on its position in the alphabet (i.e. A=1, B=2, C=3, and so on), how much are each of the following worth and how much in total? EASTER, BUNNY, CHOCOLATE, SPRING, EGGS

8. Manuela decorated for Easter and made various Easter silhouettes out of twelve inch by nine inch construction paper. Each bunny silhouette she made required a six inch by six inch piece of construction paper, each basket a nine inch by nine inch piece, and each egg a three inch by three inch piece. If she used the paper efficiently and made five bunnies and three baskets, how many eggs did she make with the left over paper?

Easter Math Word Problems

Name: _____ Date: _____

9. The Easter Bunny discovered that out of the thousand homes in one neighborhood, forty-five percent were occupied by a single person and the rest were occupied by families. Out of the family homes, sixty percent had children and there was an average of one and seven tenths children in each of these families. How many Easter gifts did the Easter Bunny leave behind if every child in the neighborhood got a gift?

10. In Charlene's household, her dad was always asking math questions and the morning of Good Friday was no different. He said, "Three plus six times a number is equal to half of the answer to ten plus twenty times seven. What is the number? Once you get the number, we'll start breakfast."

11. Michael loved carrots and recently got a juicer which made carrot juice! After a little experimenting, he found that it took an average of four and a half carrots for every cup of carrot juice. He had previously determined that there was an average of five and a half carrots in every pound. Carrots were on sale, so he thought that he would buy enough carrots for the entire month of April, so he could have one cup of carrot juice every day. How many pounds of carrots did he buy?

12. Jeremy was invited to make and decorate a Paschal candle for his church. The mold was cylindrical in shape, and made a candle four inches in diameter and forty-two inches tall. Beeswax is sold in one pound blocks, but he wasn't sure what the volume was of each block. He discovered that beeswax weighs 0.961 grams per cubic centimeter, there are approximately 0.454 kilograms in a pound and 2.54 centimeters in an inch. How many one pound blocks of beeswax will he need to make the candle?

Easter Math Word Problems

Name: _____ Date: _____

13. Benjamin's Easter playlist lasted exactly five hours and four minutes. Each song averaged three minutes and twelve seconds. How many songs were on the playlist?

14. Henrietta's family visited Henrietta's grandparents for Easter. Their plane left New York at 20:05 and landed in Seattle at 23:25. How long was the flight?

15. Over ten years, the Easter bunny sock hop became more and more popular. The first year, it attracted only ten sock hoppers. The next year, that number increased by fifty percent! The third year doubled the number from the year before. The following year, there were one and two tenths the hoppers from the year before. Twenty additional hoppers appeared in the fifth year. In the sixth year, the numbers increased by triple the increase from the second year. Nine additional hoppers appeared in each of the seventh and eighth years. Only one addition hopper was added in the ninth year, but in the tenth year, there was a ten percent jump. How many hoppers attended the Easter bunny sock hop in the tenth year?

16. Miss Landry put all of her spare change into a bunny bank (you know, like a piggy bank) throughout the year. At Easter, she donated all the change to the local food bank, but not before her fifth grade students helped to count it all. They counted nine hundred eighty-four quarters, one thousand two hundred fifty-eight dimes, five hundred three nickels and four hundred ninety-nine pennies. How much did Miss Landry donate to the food bank?

Easter Math Word Problems

Name: _____ Date: _____

17. Kristen's older brother told her that there were more blue Easter eggs in the hunt this year than the other five colors. "In fact," he said, "I'll bet about one quarter of the eggs you find will be blue." Kristen found 15 orange, 25 blue, 12 green, 17 yellow, 13 purple and 18 pink eggs. Was her brother's prediction correct? If not, what is the correct statement?

18. Rita had three one square meter pieces of colored fabric to make Easter ribbons. If each ribbon required a piece of fabric fifty centimeters long and eight centimeters wide, how many ribbons did she make?

19. Marcellus and his friends painted one thousand eight Easter eggs and sold them for for a dollar each. Each tube of paint was enough for one hundred ten eggs. Of course, they didn't paint every egg a solid color, but it gave them an idea of how much paint to buy. Thirty percent of the paint they bought was red ($3.29 a tube), two fifths was blue ($2.79 a tube), one tenth was white ($2.49 a tube) and the rest was yellow ($2.99 a tube). The eggs cost them $2.50 a dozen. After the cost of the eggs and paint, how much did they make in profit?

20. For the Easter triathlon, Hobert had to compete carrying an Easter egg the whole time! Last year, his total time was one hour, twenty-three minutes and seven seconds. This year, he was twelve seconds faster in the foot race, two minutes and six seconds slower in the bicycle race, and a whopping five minutes and forty-one seconds faster in the swimming event. What was his time this year? How much faster or slower was he than last year?

Easter Math Word Problems Answers

Name: _____ Date: _____

1. Willian was so excited about the upcoming Easter egg hunt on Sunday at 2:00 pm that he figured out that it was exactly 52 hours away. On what day and and what time did Willian figure this out? There are 24 hours in a day, so $52 \div 24 = 2$ days with a remainder of 4 hours. Sunday at 2:00 pm minus 2 days is Friday at 2:00 pm and subtracting a further 4 hours results in Friday at 10:00 am. Willian figured this out at 10:00 am on Friday.

2. Thad found the following Easter eggs in the Easter egg hunt: twelve orange, eleven purple, nine pink, eleven yellow, four green and eight blue. Each orange egg contained three candies; purple and yellow eggs contained two candies each; pink and green eggs contained one candy each; and blue eggs contained six candies each. How many candies did Thad get all together? $12 \times 3 + 11 \times 2 + 9 \times 1 + 11 \times 2 + 4 \times 1 + 8 \times 6 = 36 + 22 + 9 + 22 + 4 + 48 = 141$. Thad got 141 candies all together.

3. Belinda decided to decorate one hundred Easter cupcakes and give them to her friends. Each batch required four cups of powdered sugar to make the icing necessary for sixteen cupcakes. How many cups of powdered sugar did she use for all one hundred cupcakes? There were $100 \div 16 = 6\frac{1}{4}$ batches. It is possible Belinda made a quarter batch, so she would have used $6.25 \times 4 = 25$ cups of powdered sugar. If she made another full batch for the last four cupcakes, she would have used $7 \times 4 = 28$ cups of powdered sugar.

4. Adrienne filled a jar with jelly beans and ran a competition to see if anyone could guess how many jelly beans were in the jar. The correct number was five hundred eighty-one, but she got a variety of guesses from ten of her friends: two-hundred fifty, one thousand nine hundred ninety-nine, five hundred, seven hundred fifty, six hundred twelve, six hundred nineteen, one thousand, three hundred fifty-five, six hundred seven, and seven hundred forty-four. Adrienne wanted to tell everyone how far they were off the correct amount and the average amount everyone was off. List the amount each person was off and calculate the average. In order, the differences were 330, 1418, 81, 169, 31, 38, 419, 226, 26, 159. The average can be calculated by adding all the differences and dividing by 10 which is 289.7.

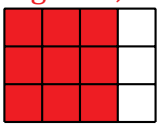
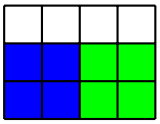
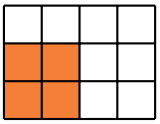
Easter Math Word Problems Answers

5. Jonathan made seven Easter baskets for needy children with donations of money from the community. In the end, Jonathan had ten dollars and twenty-five cents left over which he donated to the local food bank. Each basket contained twelve dollars and fifty-five cents worth of candy and gifts. How much money did Jonathan receive in donations from the community? Seven baskets at $12.50 each is $87.50. If Jonathan still had $10.25 left over, he must have received $87.50 + $10.25 = $97.75 in donations from the community.

6. Christa's mother is an egg farmer. Two years ago, she sold twenty-four thousand dozen eggs for thirty-six thousand dollars. Last year, there was more demand for eggs, so she needed to sell five percent more eggs and each dozen was worth twenty percent more. How many dozen eggs did she sell last year and for how much? How many eggs was that? Two years ago, the eggs were worth $36,000 ÷ 24,000 = $1.50 per dozen. Last year with eggs worth 20% more, they sold for $1.50 × 1.20 = $1.80 per dozen. Last year, she sold 5% more eggs than two years ago or 24,000 × 1.05 = 25,200 dozen. Each dozen contains 12 eggs, so there were 25,200 × 12 = 302,400 eggs. 25,200 × $1.80 = $45,360. Christa's mother sold 25,200 dozen eggs (or 302,400 eggs) last year for $45,360.

7. If every letter is given a value based on its position in the alphabet (i.e. A=1, B=2, C=3, and so on), how much are each of the following worth and how much in total? EASTER, BUNNY, CHOCOLATE, SPRING, EGGS EASTER (5 + 1 + 19 + 20 + 5 + 18 = 68); BUNNY (2 + 21 + 14 + 14 + 25 = 76); CHOCOLATE (3 + 8 + 15 + 3 + 15 + 12 + 1 + 20 + 5 = 82); SPRING (19 + 16 + 18 + 9 + 14 + 7 = 83); EGGS (5 + 7 + 7 + 19 = 38); Total (68 + 76 + 82 + 83 + 38 = 347)

8. Manuela decorated for Easter and made various Easter silhouettes out of twelve inch by nine inch construction paper. Each bunny silhouette she made required a six inch by six inch piece of construction paper, each basket a nine inch by nine inch piece, and each egg a three inch by three inch piece. If she used the paper efficiently and made five bunnies and three baskets, how many eggs did she make with the left over paper? Each piece of construction paper could accommodate either one basket or two bunny silhouettes. Making a basket silhouette resulted in a 3" by 9" piece left over which could be used for 3 egg silhouettes, so making 3 baskets resulted in 3 × 3 = 9 egg silhouettes. Making two bunny silhouettes would result in a 3" by 12" piece left over which could be used for 4 egg silhouettes. The first four bunnies could be made this way and would result in $4 \div 2 * 4 = 8$ egg silhouettes. The final bunny would only use a 6" by 6" square which would leave a 3" by 6" (2 eggs) piece and a 6" by 9" (6 eggs) piece. All together, Manuela could make 9 + 8 + 2 + 6 = 25 egg silhouettes.

Easter Math Word Problems Answers

9. The Easter Bunny discovered that out of the thousand homes in one neighborhood, forty-five percent were occupied by a single person and the rest were occupied by families. Out of the family homes, sixty percent had children and there was an average of one and seven tenths children in each of these families. How many Easter gifts did the Easter Bunny leave behind if every child in the neighborhood got a gift? There were $1000 \times 0.55 = 550$ family homes, $550 \times 0.6 = 330$ homes with children, and $330 \times 1.7 = 561$ children all together. The Easter Bunny left 561 gifts in the neighborhood.

10. In Charlene's household, her dad was always asking math questions and the morning of Good Friday was no different. He said, "Three plus six times a number is equal to half of the answer to ten plus twenty times seven. What is the number? Once you get the number, we'll start breakfast." Charlene's dad's question can be turned into an algebraic equation: $3+6n = \frac{10+20\times7}{2}$ Solving for n results in $n = 12$. Time for breakfast!

11. Michael loved carrots and recently got a juicer which made carrot juice! After a little experimenting, he found that it took an average of four and a half carrots for every cup of carrot juice. He had previously determined that there was an average of five and a half carrots in every pound. Carrots were on sale, so he thought that he would buy enough carrots for the entire month of April, so he could have one cup of carrot juice every day. How many pounds of carrots did he buy? For April, Michael needed enough carrots for 30 cups of carrot juice: $30 \times 4.5 = 135$ carrots. 135 carrots is about $135 \div 5.5 = 24.5$ (rounded) pounds of carrots. In order to have enough, he will have to round up to the nearest pound. Michael bought 25 pounds of carrots.

12. Jeremy was invited to make and decorate a Paschal candle for his church. The mold was cylindrical in shape, and made a candle four inches in diameter and forty-two inches tall. Beeswax is sold in one pound blocks, but he wasn't sure what the volume was of each block. He discovered that beeswax weighs 0.961 grams per cubic centimeter, there are approximately 0.454 kilograms in a pound and 2.54 centimeters in an inch. How many one pound blocks of beeswax will he need to make the candle? First Jeremy figured out that he would have to use $\pi r^2 \times h$ to figure out the volume, but he had measurements in inches and needed them in centimetres. The radius (r) was half of the diameter, so converted it was $2 \times 2.54 = 5.08$ cm and the height (h) was $42 \times 2.54 = 106.68$ cm. He used those measurements to calculate the volume: $\pi \times 5.08^2 \times 106.68 = 8648.89$ cm^3 Using his research about the density of of beeswax, he determined that he needed $8648.89 \times 0.961 \div 1000 = 8.31$ kg of beeswax. Finally, he converted this to pounds since that is how it was sold and found he needed $8.31 \div 0.454 = 18.3$ pounds of beeswax. Since beeswax is sold in one pound blocks, he bought 19 pounds for the Paschal candle. He mixed the left over beeswax with pigment and decorated the candle. It was the most beautiful Paschal candle the church had ever seen.

Easter Math Word Problems Answers

13. Benjamin's Easter playlist lasted exactly five hours and four minutes. Each song averaged three minutes and twelve seconds. How many songs were on the playlist? Five hours and four minutes is $5 \times 60 + 4 = 304$ minutes. 12 seconds is $12 \div 60 = 0.2$ or two tenths of a minute. The number of songs then was $304 \div 3.2 = 95$ songs. Benjamin's Easter playlist included 95 songs.

14. Henrietta's family visited Henrietta's grandparents for Easter. Their plane left New York at 20:05 and landed in Seattle at 23:25. How long was the flight? New York and Seattle are in different time zones and differ by 3 hours. The time in Seattle is always 3 hours earlier than it is in New York, so Henrietta's family would have left at 17:05 Seattle time and using a counting up strategy, this made the flight 6 hours and 20 minutes long.

15. Over ten years, the Easter bunny sock hop became more and more popular. The first year, it attracted only ten sock hoppers. The next year, that number increased by fifty percent! The third year doubled the number from the year before. The following year, there were one and two tenths the hoppers from the year before. Twenty additional hoppers appeared in the fifth year. In the sixth year, the numbers increased by triple the increase from the second year. Nine additional hoppers appeared in each of the seventh and eighth years. Only one addition hopper was added in the ninth year, but in the tenth year, there was a ten percent jump. How many hoppers attended the Easter bunny sock hop in the tenth year? Year 1 (10); Year 2 ($10 \times 1.5 = 15$); Year 3 ($15 \times 2 = 30$); Year 4 ($30 \times 1.2 = 36$); Year 5 ($36 + 20 = 56$); Year 6 ($56 + 3 \times 5 = 71$); Year 7 ($71 + 9 = 80$); Year 8 ($80 + 9 = 89$); Year 9 ($89 + 1 = 90$); Year 10 ($90 \times 1.1 = 99$). In the tenth year, 99 hoppers attended the Easter bunny sock hop.

16. Miss Landry put all of her spare change into a bunny bank (you know, like a piggy bank) throughout the year. At Easter, she donated all the change to the local food bank, but not before her fifth grade students helped to count it all. They counted nine hundred eighty-four quarters, one thousand two hundred fifty-eight dimes, five hundred three nickels and four hundred ninety-nine pennies. How much did Miss Landry donate to the food bank? Miss Landry had $984 \times 0.25 = \$246.00$ in quarters, $1258 \times 0.10 = \$125.80$ in dimes, $503 \times 0.05 = \$25.15$ in nickels and $499 \times 0.01 = \$4.99$ in pennies. In total, she donated $401.94 to the food bank.

Easter Math Word Problems Answers

17. Kristen's older brother told her that there were more blue Easter eggs in the hunt this year than the other five colors. "In fact," he said, "I'll bet about one quarter of the eggs you find will be blue." Kristen found 15 orange, 25 blue, 12 green, 17 yellow, 13 purple and 18 pink eggs. Was her brother's prediction correct? If not, what is the correct statement? All together, Kristen had $15+25+12+17+13+18=100$ Easter eggs. 25 out of the 100 were blue which can be simplified $\frac{25}{100}=\frac{1}{4}$. Kristen's brother was exactly right that she would have one quarter blue eggs.

18. Rita had three one square meter pieces of colored fabric to make Easter ribbons. If each ribbon required a piece of fabric fifty centimeters long and eight centimeters wide, how many ribbons did she make? Each square piece of fabric was 100 cm by 100 cm. Lengthwise, each square piece of fabric could accommodate $100 \div 50 = 2$ ribbons. Widthwise, each square piece of fabric could accommodate $100 \div 8 = 12\text{R}4$ ribbons. Each square meter piece of fabric then could be used to make $2 \times 12 = 24$ ribbons. Since there were 3 pieces, $24 \times 3 = 72$ ribbons could be made. If she stitched together the leftover fabric, she could make an additional 3 ribbons.

19. Marcellus and his friends painted one thousand eight Easter eggs and sold them for for a dollar each. Each tube of paint was enough for one hundred ten eggs. Of course, they didn't paint every egg a solid color, but it gave them an idea of how much paint to buy. Thirty percent of the paint they bought was red ($3.29 a tube), two fifths was blue ($2.79 a tube), one tenth was white ($2.49 a tube) and the rest was yellow ($2.99 a tube). The eggs cost them $2.50 a dozen. After the cost of the eggs and paint, how much did they make in profit? They would have bought $1000 \div 110 = 10$ tubes (rounded up to the nearest whole number). That meant that they bought 3 (30% of ten) red, 4 (two fifths of ten) blue, 1 (one tenth of ten) white and 2 yellow. The cost of the paint was $3 \times 3.29 + 4 \times 2.79 + 2.49 + 2 \times 2.99 = \$29.50$. They needed $1000 \div 12 = 84$ (rounded up) dozen eggs. The cost of the eggs was $84 \times 2.50 = \$210.00$. They made $1000 - 29.50 - 210.00 = \$760.50$ in profit.

20. For the Easter triathlon, Hobert had to compete carrying an Easter egg the whole time! Last year, his total time was one hour, twenty-three minutes and seven seconds. This year, he was twelve seconds faster in the foot race, two minutes and six seconds slower in the bicycle race, and a whopping five minutes and forty-one seconds faster in the swimming event. What was his time this year? How much faster or slower was he than last year? His time last year was 1:23:07. Adjusting for the improved footrace, we take 12 seconds off to get 1:22:55. Adjusting for the bicycle race, we add 2 minutes to get 1:24:55 and 6 seconds to get 1:25:01. Adjusting for the swimming event, we subtract 5 minutes to get 1:20:01 and 41 seconds to get 1:19:20. His time this year was 1:19:20 which is 3 minutes and 47 seconds faster than last year.