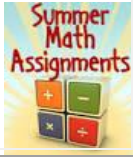


Summer Math Calendar for Students Entering 6th Grade

1. What are the first ten prime numbers? What is the prime factorization of 164?



2. Write three different ways to represent $\frac{1}{5}$.

3. What's the 2-step rule?

Input	Output
5	16
9	28
7	22
10	31

4. For your birthday you get 6 pints of ice cream and you serve $\frac{3}{4}$ pint to each of your guests? How many guests can be served at your party?

5. Which apple weighs more, one that weighs $\frac{2}{3}$ of a pound or one that weighs $\frac{5}{6}$ of a pound? Explain how you know.

6. If you spend \$25.00 per day, approximately how many days will it take you to spend \$1,000.00?

7. The perimeter of a square is 72 inches. What is the length of each side?

8. Dad bought 7 pounds of jellybeans. He paid \$55.65 for them. What was the cost per pound?

9. Find a recipe in your house and imagine that you were to double the recipe. Write a new ingredients list with the new amounts of each item.

10. What is the least common denominator

for $\frac{5}{6}$ and $\frac{3}{8}$?

6 8

for $\frac{3}{4}$ and $\frac{6}{7}$?

4 7

11. Find the difference between 203.45 and 12.345.



12. Dad bikes 38 kilometers every day of the week. How many km does he bike in 4 weeks?

13. I used two-thirds of a 3 $\frac{1}{2}$ pound bag of cherries for a pie. How many pounds of cherries did I use?

14. If the vet examined 14 dogs and 11 birds in one day, how many eyes did he look at? How many feet did he see?

15. If 310 children and 45 adults are going on a field trip, how many buses do they need? Each bus can seat 55 people. How many empty seats will there be?

16. Multiply:
 23×100
 $66 \times 1,000$
 734×0.01
 $2,389 \times 0.001$

What's your strategy?

17. I sold three-fourths of my cookies, I had 48 cookies. How many did I sell?



18. How much money did I make if I charged .65 per cookie from yesterday?

19. A movie theater is showing a film that is 2 $\frac{1}{5}$ hours long. If the theater has 5 showings each **day**, then what will be the total number of hours the film will be shown during a **week**?

20. Name a number that is neither prime nor composite.



21. Choose a number between 2-50. Write a paragraph, rap or poem about this number using as much math vocabulary as possible.

22. A farmer put a square fence around his garden to keep out the deer. One side was 10m in length. What was the amount of fencing he used around the garden?

23. The ratio of computers to calculators is 5 to 9. Find the number of computers if there are 72 calculators?

24. There are 260 6th grade students at Champion. 45% of the students came from theme elementary schools. How many students did NOT come from theme elementary schools?

25. If you bought 3 CDs, each costing \$12.99 and paid with a \$50.00 bill, what would your change be? (Bonus: If you had to pay 6% sales tax also, what would your change be?) .

26. Find three examples of how math is used in a newspaper, magazine or the internet. Cut out or copy the example and write one sentence summarizing how math is used.

27. Michael practices $\frac{6}{7}$ hour of soccer each day for 3 days. How many hours of soccer did he practice total?

28. Practice your multiplication tables from 1-12's. Go to internet and find multiplication practice games. **Be prepared for a quiz the week of 8.11.14.**