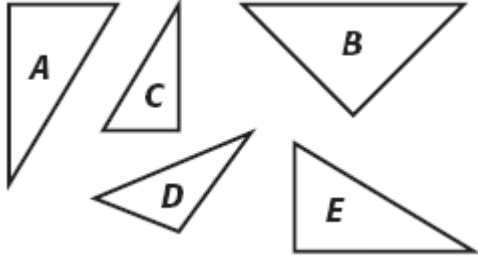# Summer Math Practice- Rising to 5th Grade

Name _____

Multiple Choice

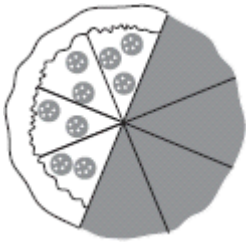1. Which two figures below appear to be congruent?

   a. figures *A* and *B*   c. figures *A* and *E*
   b. figures *C* and *E*   d. figures *B* and *D*

2. Which digit is in the tens place in the number 7,308?
   a. 0   b. 3   c. 7   d. 8

3. Dora cuts her pizza into 8 equal slices. She eats 4 of the slices.

   Which fraction of the pizza is left?
   a. $\dfrac{1}{2}$ b. $\dfrac{1}{8}$ c. $\dfrac{1}{4}$ d. $\dfrac{4}{4}$

4. Which symbol makes the sentence true?

   $12 + 6 \bigcirc 8 + 9$

   a. $>$ b. $<$ c. $=$ d. ?

5. Which unit is the **best** one to use to measure the mass of a bicycle?
   a. meter   b. gram   c. liter   d. kilogram

6. MaryAnn recorded the color of each vehicle that passed by her house. The tally chart below shows her results.

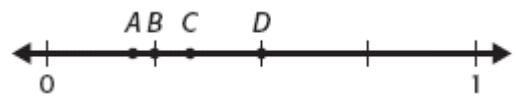| Color of Vehicles	
Color	**Number of Vehicles**
Silver	ЖЖ ЖЖ ЖЖ I
Red	ЖЖ II
Blue	ЖЖ ЖЖ III
Black	ЖЖ IIII

How many vehicles did MaryAnn record on her tally chart?

a. 13   b. 45   c. 55   d. 86

7. Which is the **best** estimate for the capacity of a kitchen sink?

a. 2 milliliters   b. 2 liters   c. 6 milliliters   d. 6 liters

8. Which statement is always true?

a. A square has 4 right angles.   c. A parallelogram has 2 right angles.

b. A trapezoid has 1 obtuse angle.   d. A rectangle has 4 acute angles.

9. Tamika wrote the following number pattern.

1, 5, 9, 13, 17, 21

Which would be the next number in Tamika's pattern?

a. 22   b. 23   c. 24   d. 25

10. Which symbol makes the number sentence true?

$9 \bigcirc 3 = 27$

a. $+$ b. $-$ c. $\times$ d. $\div$

11. Which point on the number line marks $\frac{1}{3}$?

a. Point A b. Point B c. Point C d. Point D

12. The I-95 is 641 miles long. Which is another way to show the number 641?

    a. $6 + 4 + 1$

    b. $6 + 40 + 100$

    c. $600 + 40 + 1$

    d. $600 + 400 + 10$
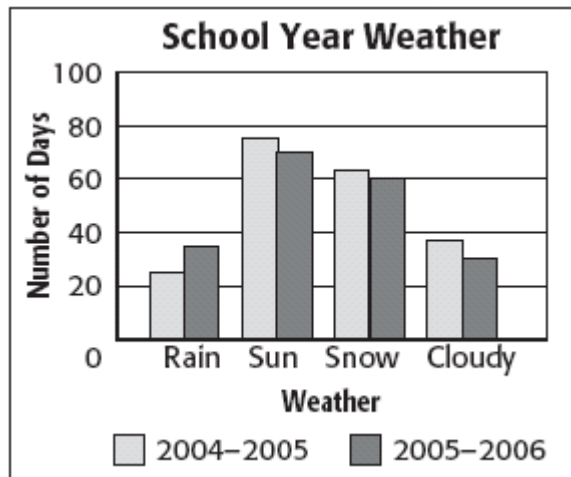
13. Which is the rule to find each Output number?

Input	Output
1	4
2	8
3	12
4	16
5	20

    a. Multiply by 1.

    b. Multiply by 4.

    c. Divide by 4.

    d. Add 4.

14. There are 468 subway stations in New York City. What is this number rounded to the nearest hundred?

    a. 400

    b. 460

    c. 470

    d. 500

15. The graph below represents the weather for two school years.

School Year Weather

Number of Days

Rain Sun Snow Cloudy

Weather

☐ 2004–2005   ▨ 2005–2006

Which statement about the graph is true?

    a. It rained more in 2004–2005 than in 2005–2006.

    b. There were more sunny days in 2004–2005 than in 2005–2006.

    c. There were more snowy days in 2005–2006 than in 2004–2005.

    d. There were more rainy days in 2004–2005 than cloudy days in 2004–2005.

16. Thomas wrote the following division sentence.

    $48 \div 6 = 8$

    Which number sentence can Thomas use to check whether his division sentence is correct?

    a. $6 + 8 = \square$

    b. $8 \times 6 = \square$

    c. $8 \div 6 = \square$

    d. $48 - 8 = \square$

17. Daniel surveyed his classmates.

The results of his survey are shown in the tally chart below.

Number of Siblings	Students
0	卌
1	卌 卌 ‖
2	卌 ‖‖
3	卌 ‖
4+	‖

Which survey question did he most likely ask?

a. Do you have any siblings?

b. How many siblings do you have?

c. How old are your siblings?

d. How many people are in your family?

18. Which unit **best** measures the length of a pencil?

a. centimeter   b. meter   c. kilometer   d. liter

19. Which sentence can be used to describe the picture below?

a. $15 - 5 = 10$ b. $15 \times 3 = 45$ c. $3 + 5 = 8$ d. $15 \div 3 = 5$

20. Gene's family drove from Bear, Delaware, to San Diego, California. They drove between 2,871 miles and 2,891 miles. Which could be the distance they drove?

a. 2,817 miles   b. 2,819 miles   c. 2,878 miles   d. 2,897 miles

Short Answer

21. Naomi bought a scarf for $12.50 and a hat for $5.80. She gave the cashier $20.00. How much money did Naomi receive in change? *Show your work.*

22. Amrita biked 30 miles each day for 5 days. How many miles did Amrita bike in all? *Show your work.*

23. Mr. Yazzie wants to know how the elevation changes on the trail at Mount Marcy. The trail begins at 2,146 feet and ends at an elevation of 5,344 feet. How much does the elevation of the trail change? *Show your work.*

24. Each day, Zoe drives from her home in Newark to her office in Wilmington. The trip is 6 miles one way. If Zoe goes back and forth to work each day, how many miles does she drive in 5 workdays? *Show your work.*

25. Mr. Sanchez has 75 pretzels and 7 plastic bags. He places 10 pretzels in each plastic bag. How many pretzels does Mr. Sanchez have left over? *Show your work.*

26. Jerome is making 6 holiday pies. He uses 7 apples in each pie.

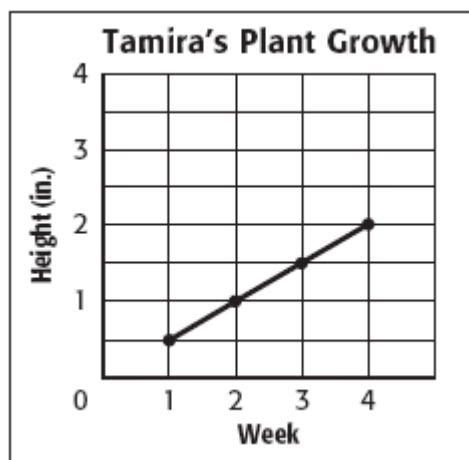What is the total number of apples Jerome uses? *Show your work.*

27. Sabine uses the calendar below.

November

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

a. Thanksgiving Day is always celebrated on the fourth Thursday of November. What is the date of Thanksgiving Day on Sabine's calendar?

b. Sabine's cousin Luz is coming to visit on November 9. Luz will stay exactly 2 weeks and then return home. On what date will Luz go back home?

28. The line graph shows the growth, in inches, of Tamira's plant.

Tamira's Plant Growth

a. About how many inches does Tamira's plant grow each week?

b. If the plant grows at the same rate, how tall will it be in Week 6?

Summer Math Practice- Rising to 5th Grade

Answer Section

MULTIPLE CHOICE

1.	ANS: C	11.	ANS: C
2.	ANS: A	12.	ANS: C
3.	ANS: A	13.	ANS: B
4.	ANS: A	14.	ANS: D
5.	ANS: D	15.	ANS: B
6.	ANS: B	16.	ANS: B
7.	ANS: D	17.	ANS: B
8.	ANS: A	18.	ANS: A
9.	ANS: D	19.	ANS: D
10.	ANS: C	20.	ANS: C

SHORT ANSWER

21. ANS: $1.70
    Show your work.

$$\begin{array}{r} \$12.50 \\ +\ \$5.80 \\ \hline \$18.30 \end{array} \qquad \begin{array}{r} \$20.00 \\ -\$18.30 \\ \hline \$\ \ 1.70 \end{array}$$

22. ANS: 150 miles; *Show your work.*

$$\begin{array}{r} 30 \\ \times 5 \\ \hline 150 \end{array}$$

23. ANS: 3,198 feet; *Show your work.*

$$\begin{array}{r} 5{,}344 \\ -2{,}146 \\ \hline 3{,}198 \end{array}$$

24. ANS: 60 miles; *Show your work.*
    Sample answer:

$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array} \qquad \begin{array}{r} 12 \\ \times 5 \\ \hline 60 \end{array}$$

25. ANS: 5 pretzels; *Show your work.*

$$\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array} \qquad \begin{array}{r} 75 \\ -70 \\ \hline 5 \end{array}$$

28. ANS: 42

26. ANS: **Part A:** November 28   **Part B:** November 23

27. ANS:

Part A	**Part B**
0.5 or $\frac{1}{2}$ inch	3 inches