MCC6.NS.2

1.) For a fall field trip 1,182 students were going by to a museum. Each bus can hold 45 students.
How many buses will be needed for the trip?

   A.   26 buses   B.   27 buses   C.   30 buses   D.   260 buses

MCC6.NS.3

2.) During gym class, Troy jumped 4.5 feet.   Brendon jumped 3.72 feet.   How much further did Troy
jump than Brendon?

   A. 1.22 feet   B.   0.82 feet   C.   0.78 feet   D.   1.78 feet

MCC6.NS.4

3.) Dennis collects baseball cards.   He has 28 Atlanta Braves cards and 36 NY Yankees cards?
He wants to divide the cards evenly on each page in his album.   What is the greatest number
of pages that he can use?

   A.   9   B.   4   C. 7   D.   14

4.) At a store opening, every 4th person received a free umbrella and every 9th person received a free
poncho. Which number customer will receive both an umbrella and a poncho?

   A.   4   B.   18   C. 24   D.   36

5.) Use mental math.   Find the product using the Distributive Property for $4(6.3) =$

   A. $4(1.3) + 4(5)$, 14.3   C. $4(6) + 4(0.3)$, 25.2
   B. $4(6) + 4(0.3)$, 26.8   D. $6.3(3) + 6.3(1)$,   29.2

MCC6.NS.1

6.) Compute $10 - 0.005$

   A. 9.550   B. 9.950   C. 9.500   D. 9.995

7.) Compute 4.32 x 1.23

   A. 2592   B. 14256.0   C. 5.3136   D. 2.5920

8.) Compute $500 \div 0.10$

   A. 5000   B. 500   C. 50.0   D. 5.00

9.) Compute 722.86 + 0.024

    A. 723.084   B. 722.884   C. 723.10   D. 725.60

MCC6.NS.3

10.) An airplane flew at an average speed of 386 miles per hour for 0.275 hours. How far did
    the plane fly?

    A. 81832.00 miles   B. 12352 miles   C. 106.150 miles   D. 1061.50 miles

11.) Mr. Jackson planned to use the interstate highway to drive his vacation which would mean
    a trip of 91.4 miles. Mr. Respress told him that the state highway was a nicer drive but would
    mean driving 94.5 miles. How many miles are added to the trip by taking the state highway
    instead of the interstate highway?

    A. 3.1 miles   B. 185.9 miles   C. 5.9 miles   D. 2.1 miles

MCC6.NS.4

12.) What is the greatest common factor for the pair of numbers 96 and 144?

    A. 48   B. 24   C. 36   D. 96

13.) What is the greatest common factor for the pair of numbers 40 and 60?

    A. 60   B. 10   C. 40   D. 20

14.) What is the greatest common factor for the pair of numbers 81 and 93?

    A. 18   B. 9   C. 6   D. 3

15.) What is the least common multiple for the pair of numbers 8 and 10?

    A. 40   B. 20   C. 80   D. 60

16.) What is the least common multiple for the pair of numbers 7 and 11?

    A. 14   B. 44   C. 77   D. 187

<p align="center">6th grade Unit 2 - Rate, Ratio and Proportional Reasoning Using Equivalent Fractions</p>

MCC6.RP.1

17.) Twenty-eight students tried out for the soccer team. Nine were selected. Which is the ratio of
    students selected to those trying out?

    A.   28:9   B. 9/28   C.   3 to 9   D.   9:3

18.) Paulo sold 19 adult tickets, 22 student tickets and 3 discount tickets for the school play. Choose three correct ways to show the ratio of discount tickets to adult tickets.

A. 3:19, $\frac{3}{19}$, 3 to 19

C. 22:19, $\frac{22}{19}$, 22 to 19

B. 22:3, $\frac{22}{3}$, 22 to 3

D. 19:3, $\frac{19}{3}$, 19 to 3

MCC6.RP.2

19.) We paid $75 for 15 hamburgers.   How much did we pay per hamburger?

A. $5.00   B. $4.50   C. $3.00   D. $3.50

20.) There are 48 books for 16 students.   How many books per student?

A. 5   B. 8   C. 4   D. 3

MCC6.RP.3

21.) There are 36 boys in the drama club.   There are 6 boys for every 5 girls.   What proportion can be used to find y, the total number of girls in the drama club?

A. $\frac{6}{5} = \frac{36}{y}$

B. $\frac{5}{6} = \frac{36}{y}$

C. $\frac{5}{36} = \frac{6}{y}$

D. $\frac{36}{5} = \frac{6}{y}$

22.) Two out of three people prefer Crest toothpaste.   In a small town of 12,000 people, how many people prefer Crest toothpaste?

A.   8,000 people   B.   6,000 people   C. 36,000 people   D.   24,000 people

MCC6.RP.3a

23.) Fill in the missing value in the input output table.

Input	Output
2	3
4	6
8	
16	24

A.   9   B.   15

C.   12   D.   10

MCC6.RP.3b

24.) James drove 250 miles in 4 hours.   How many miles did he drive per hour?

A.   50 mi per hr   B.   62 mi per hr   C.   62.5 mi per hr   D. 73 mi per hr

25.) Devon paid for 4 pounds of bananas with a $10 bill. He got back $4.00.   What was the cost for 1 pound of bananas?

A. $3.50   B. $24.00   C. $1.00   D. $1.50