

Name: _____

Date: _____

Number Theory Review. Please answer ALL questions.

1. (a)
$$\begin{array}{r} 204 \\ + 93 \\ \hline 581 \\ \hline \end{array}$$

Answer _____

(b)
$$\begin{array}{r} 7483 \\ - 5643 \\ \hline \end{array}$$

Answer _____

(c)
$$\begin{array}{r} 734 \\ \times 3 \\ \hline \end{array}$$

Answer _____

(d)
$$6 \overline{) 8094}$$

Answer _____

2. Write down the number that has

4 in the hundreds place, 7 in the tens place,
0 in the thousands place, 8 in the units and 2 in the ten
thousands place.

Answer _____

3. Fill in the blank in the sequence below

1,3,4,7,11,18, _____

Answer _____

4.

Write down all of the prime numbers between 60 and 70.

Answer _____

5.

From the set of numbers

$$\{3, 5, 7, 9, 11, 17, 19, 21\},$$

write down the

(a) factors of 21,

Answer _____

(b) multiples of 7.

Answer _____

6.

The prime factors of two numbers are listed below.

$$\begin{array}{l} 2 \times 2 \times 3 \times 3 \times 5 \\ 2 \times 2 \times 2 \times 3 \times 5 \end{array}$$

Write down the Highest Common Factor (H.C.F.) of these numbers.

Answer _____

7.

Which fraction is larger, $\frac{7}{10}$ or $\frac{4}{5}$?

Answer _____

What is the difference between the larger
and smaller fraction, $\frac{7}{10}$ and $\frac{4}{5}$?

Answer _____

8.

What is the missing number?

$$\frac{3}{8} = \frac{\underline{\hspace{2cm}}}{16}$$

Answer _____

9.

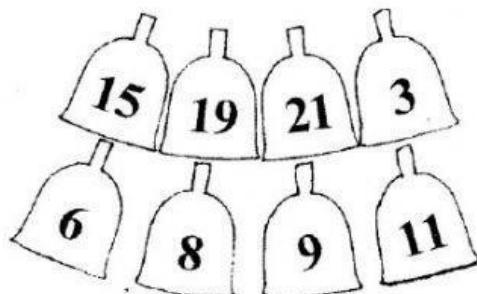
Calculate the sum of

$$2\frac{3}{4} \text{ and } 2\frac{4}{5}$$

Answer: _____

10.

(a) List **ALL** of the prime numbers found on the bells below.



Answer _____

(b) Find the sum of the prime numbers in (a).

Answer _____