Name: _____

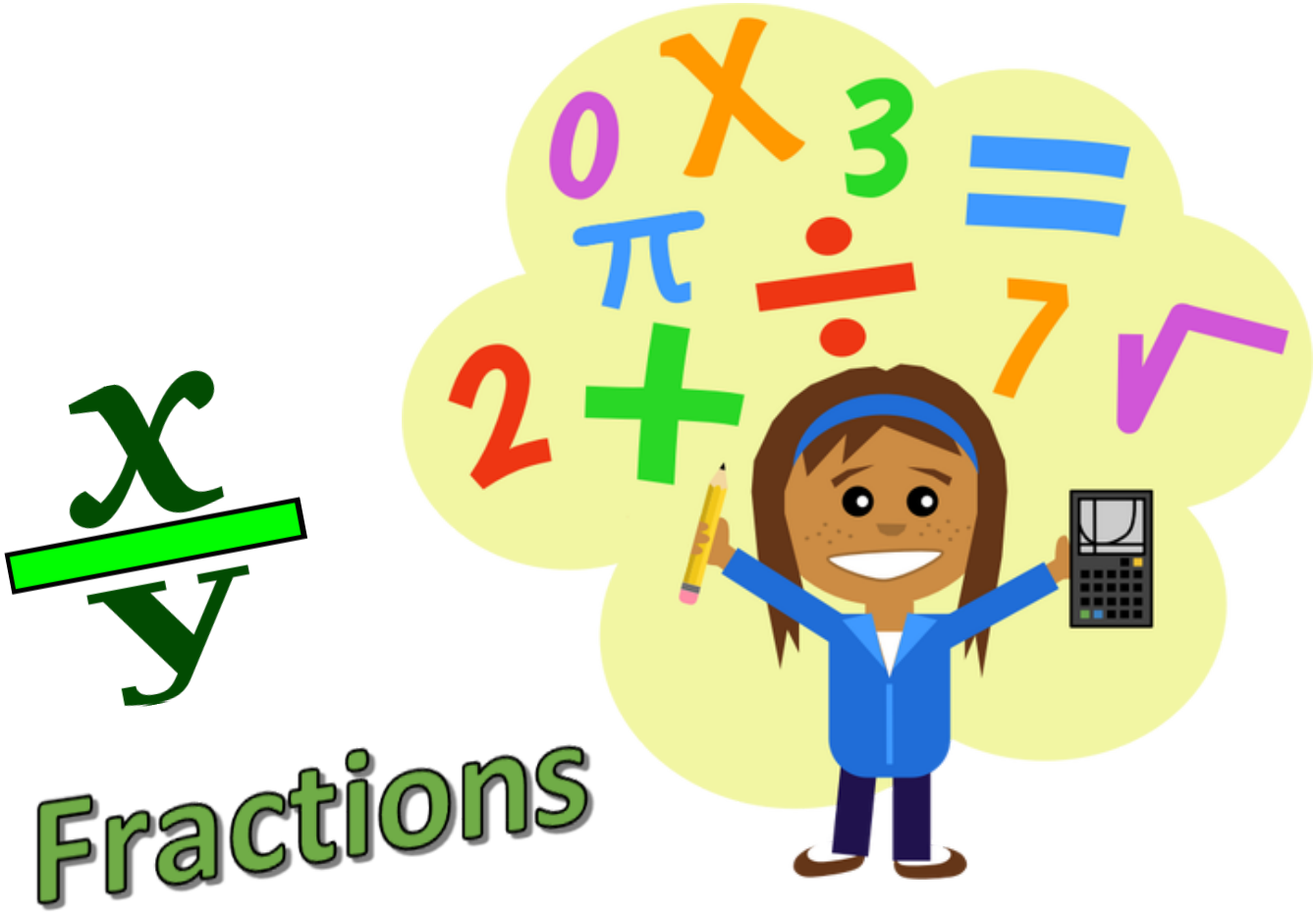
6th Grade Summer Packet

Each week this summer please complete one of the following review sheets. Please show as much work as you can for each problem. This will help if you are asked how you got the answer. Use the answer sheet at the back of the packet to check your answers.

These review sheets will be collected the first week of school in math class and will help prepare you for 6th grade.

Have a great summer!

OOPS CARD: You will receive a Math OOPS Card if you turn in any summer work!!
(use on late/missing homework for 1 day extension with no penalties)

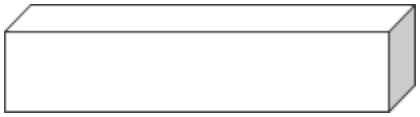


Show your work! Show your work! Show your work!

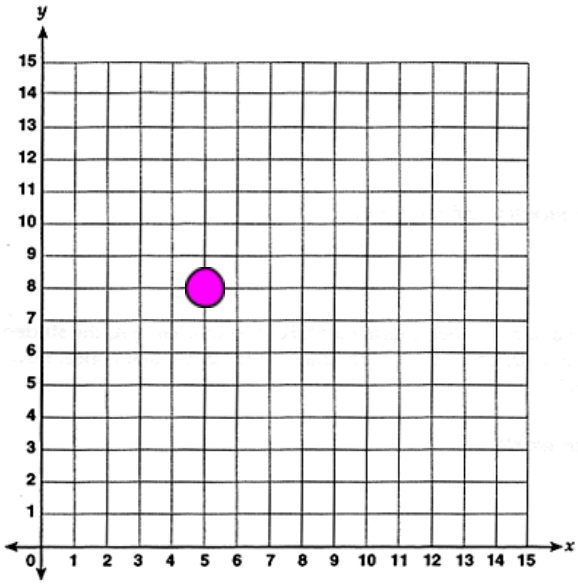
Formula Card: Use this card to help you with some of the problems:

Rectangle - Area = length x width Perimeter = length + length + width + width

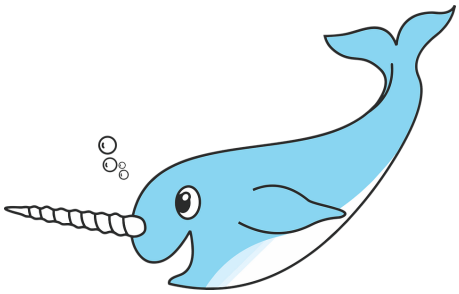
Rectangular Prism- Volume = length x width x height



Graphing points (x, y)



(5,8)



Examples of how to show your work:

Ex. 1: If m = 3, simplify the following: m + 8

3 + 8

11

Please show any work you have done to complete each problem.

Show your work! Show your work! Show your work!

Summer Review- Week # 1

Complete each of the problems below. Please show all of your work.

1. Practice your multiplication facts

a) 4 x 11 = _____

b) 6 x 3 = _____

c) 8 x 7 = _____

d) 9 x 6 = _____

e) 5 x 12 = _____

f) 12 x 7 = _____

g) 10 x 8 = _____

h) 3 x 9 = _____

2. Practice your division facts

a) 18 ÷ 6 = ____

b) 24 ÷ 8 = ____

c) 45 ÷ 5 = ____

d) 42 ÷ 7 = ____

e) 22 ÷ 2 = ____

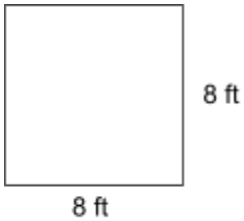
f) 36 ÷ 3 = ____

g) 32 ÷ 4 = ____

h) 81 ÷ 9 = ____

3. Find the perimeter and area of the figures:

a.



P =

A =

b.

P =

A =

4. Find the greatest common factor (GCF) of the following sets of numbers:

a) 3, 4 b) 5, 10 c) 12, 26 d) 8, 12

Show your work! Show your work! Show your work!

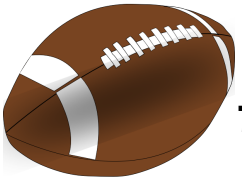
5. If M = 10, simplify each of the following:

a) M + 6 b) M - 7 c) 15 - M d) 4M

6. Simplify each of the following fractions:

a) $\frac{10}{15}$ b) $\frac{8}{12}$ c) $\frac{20}{30}$ d) $\frac{6}{9}$

e) $\frac{4}{6}$ f) $\frac{12}{14}$ g) $\frac{25}{50}$ h) $\frac{16}{20}$



7. Draw a model for the following fractions:

a) $\frac{1}{2}$ b) $\frac{2}{3}$ c) $\frac{4}{6}$ d) $\frac{4}{8}$

8. Add

a) 62 + 566 b) 384 + 860 c) 998 + 658 d) 89 + 678

9. Subtract

a) 94-62 b) 73 - 58 c) 482 - 211 d) 254 - 189

Show your work! Show your work! Show your work!

Summer Review- Week #

Complete each of the problems below. Please show all of your work.

1. Practice your multiplication facts

a) 4 x 1 = _____

b) 4 x 2 = _____

c) 4 x 3 = _____

d) 4 x 4 = _____

e) 4 x 5 =_____

f) 4 x 6 = _____

g) 4 x 7 = _____

h) 4 x 8 = _____

i) 4 x 9 = _____

j) 4 x 10 = _____

k) 4 x 11 = _____

l) 4 x 12 = _____

2. Practice your division facts

a) 108 ÷ 9 = ____

b) 27 ÷ 9 = ____

c) 45 ÷ 9 = ____

d) 81 ÷ 9 = ____

e) 9 ÷ 9 = ____

f) 36 ÷ 9 = ____

g) 90 ÷ 9 = ____

h) 63 ÷ 9 = ____

i) 99 ÷ 9 = ____

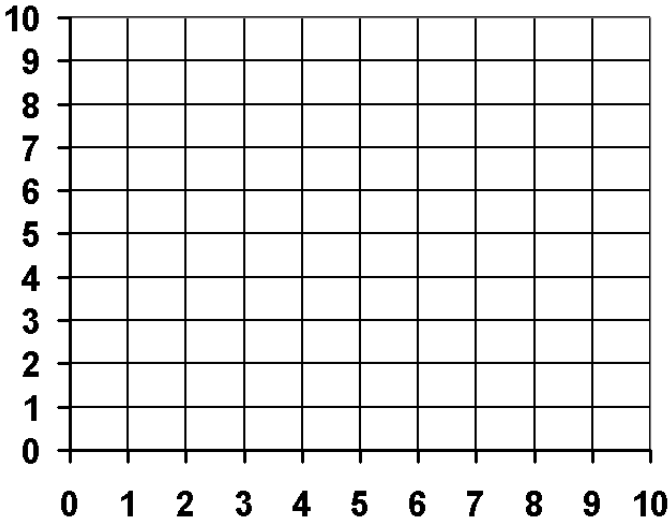
j) 72 ÷ 9 = ____

k) 18 ÷ 9 = ____

k) 54 ÷ 9 = ____

3. Graph each of the points.

X	Y
0	8
1	7
2	6
3	5
4	4
5	3
6	2
7	1



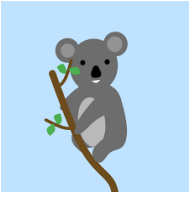
Show your work! Show your work! Show your work!

4. Find the greatest common factor (GCF) of the following sets of numbers:

a) 18, 27 b) 36, 40 c) 42, 50 d) 8, 15

5. If M = 54, simplify each of the following:

a) M + 7 b) M - 28 c) 91 - M d) 3M



6. Simplify each of the following fractions:

a) $\frac{3}{27}$ b) $\frac{4}{40}$ c) $\frac{5}{60}$ d) $\frac{6}{66}$

e) $\frac{7}{28}$ f) $\frac{8}{10}$ g) $\frac{9}{45}$ h) $\frac{10}{70}$

7. Draw a model for the following fractions:

a) $\frac{3}{4}$ b) $\frac{7}{8}$ c) $\frac{10}{11}$ d) $\frac{9}{12}$

8. Find the least common multiple (LCM) of the sets of numbers

a) 5, 6 b) 7, 8 c) 12, 15 d) 20, 30

Show your work! Show your work! Show your work!

Summer Review- Week # 3

Complete each of the problems below. Please show all of your work.

1. Practice your multiplication facts

a) 6 x 1 = _____

b) 6 x 2 = _____

c) 6 x 3 = _____

d) 6 x 4 = _____

e) 6 x 5 =_____

f) 6 x 6 = _____

g) 6 x 7 = _____

h) 6 x 8 = _____

i) 6 x 9 = _____

j) 6 x 10 = _____

k) 6 x 11 = _____

l) 6 x 12 = _____

2. **Practice your division facts**

a) 96 ÷ 8 = ____

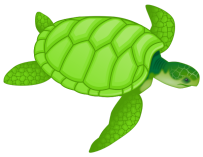
b) 24 ÷ 8 = ____

c) 40 ÷ 8 = ____

d) 88 ÷ 8 = ____

e) 8 ÷ 8 = ____

f) 32 ÷ 8 = ____



g) 80 ÷ 8 = ____

h) 56 ÷ 8 = ____

i) 64 ÷8 = ____

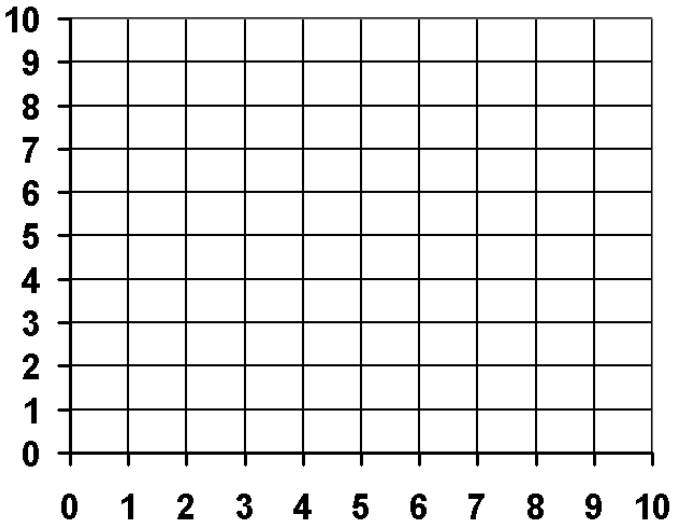
j) 72 ÷ 8 = ____

k) 16 ÷ 8 = ____

k) 48 ÷ 8 = ____

3. Graph each of the points.

X	Y
0	2
1	3
2	4
3	5
4	6
5	7
6	8
7	9



Show your work! Show your work! Show your work!

4. Change the following mixed numbers to improper fractions

a) $1\frac{2}{5}$ b) $2\frac{3}{10}$ c) $3\frac{5}{12}$ d) $4\frac{3}{11}$

5. Add

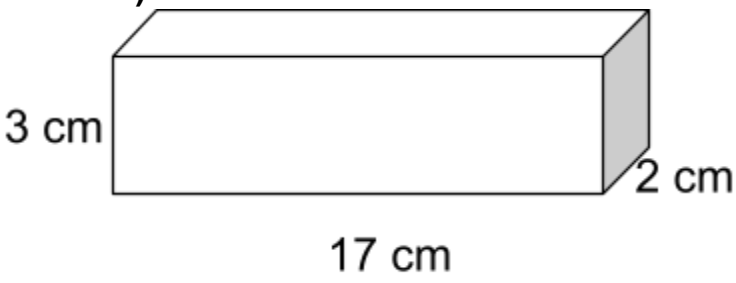
a) 7,340 + 9,473 b) 6,774 + 7,826 c) 7,942 + 9,798

6. Subtract

a) 4,387 - 3,359 b) 8,173 - 2,950 c) 9,532 - 8,278

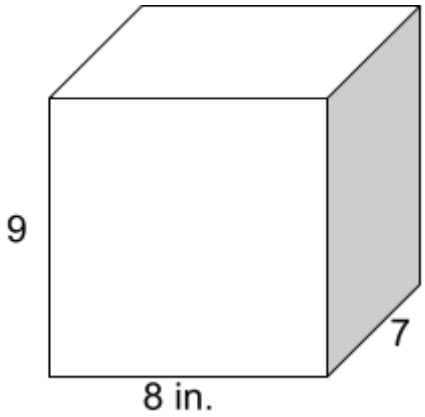
7. Find the volume of the figures

a)



V=_____

b)



V=_____

Show your work! Show your work! Show your work!

Summer Review- Week #

Complete each of the problems below. Please show all of your work.

1. Practice your multiplication facts

a) 7 x 1 = _____

b) 7 x 2 = _____

c) 7 x 3 = _____

d) 7 x 4 = _____

e) 7 x 5 =_____

f) 7 x 6 = _____

g) 7 x 7 = _____

h) 7 x 8 = _____

i) 7 x 9 = _____

j) 7 x 10 = _____

k) 7 x 11 = _____

l) 7 x 12 = _____

2. **Practice your division facts**

a) 72 ÷ 6 = ____

b) 18 ÷ 6 = ____

c) 35 ÷ 6 = ____

d) 54 ÷ 6 = ____

e) 6 ÷ 6 = ____

f) 24 ÷ 6 = ____

g) 60 ÷ 6 = ____

h) 42 ÷ 6 = ____

i) 66 ÷6 = ____

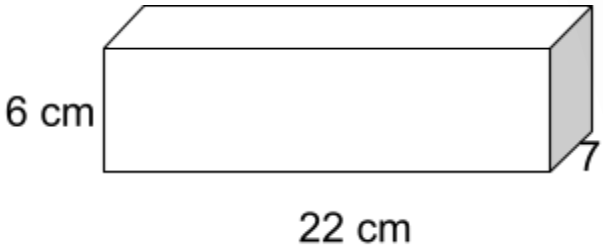
j) 48 ÷ 6 = ____

k) 12 ÷ 6 = ____

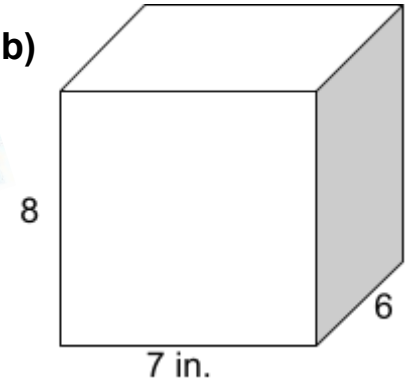
k) 48 ÷ 6 = ____

3. Find the volume of the figures

a)



b)



V=_____

V=_____

Show your work! Show your work! Show your work!

4. Find the least common multiple (LCM) of the following sets of numbers:

a) 12, 18 b) 6, 8 c) 9, 12 d) 15, 18

5. Change the following fractions to mixed numbers:

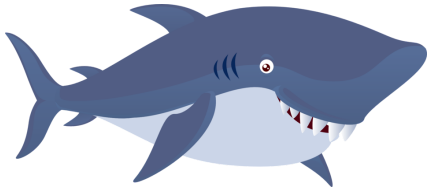
a) $\frac{27}{10}$ b) $\frac{16}{5}$ c) $\frac{21}{13}$ d) $\frac{10}{8}$

6. Simplify each of the following fractions:

a) $\frac{30}{35}$ b) $\frac{20}{24}$ c) $\frac{32}{64}$ d) $\frac{7}{14}$

e) $\frac{28}{35}$ f) $\frac{40}{48}$ g) $\frac{18}{42}$ h) $\frac{9}{18}$

7. Place the following fractions on the number line where they belong:



$\frac{3}{10}$, $\frac{4}{9}$, $\frac{5}{8}$

Show your work! Show your work! Show your work!

Summer Review- Week # 5

Complete each of the problems below. Please show all of your work.

1. Practice your multiplication facts

a) 8 x 1 = _____

b) 8 x 2 = _____

c) 8 x 3 = _____

d) 8 x 4 = _____

e) 8 x 5 =_____

f) 8 x 6 = _____

g) 8 x 7 = _____

h) 8 x 8 = _____

i) 8 x 9 = _____

j) 8 x 10 = _____

k) 8 x 11 = _____

l) 8 x 12 = _____

2. **Practice your multiplication facts**

a) 12 x 1 = _____

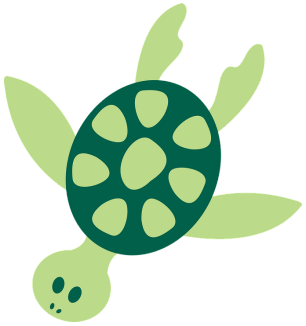
b) 12 x 2 = _____

c) 12 x 3 = _____

d) 12 x 4 = _____

e) 12 x 5 =_____

f) 12 x 6 = _____



g) 12 x 7 = _____

h) 12 x 8 = _____

i) 12 x 9 = _____

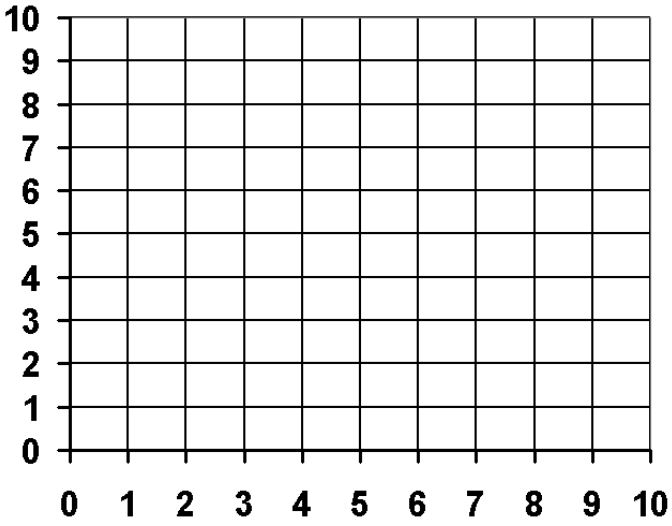
j) 12 x 10 = _____

k) 12 x 11 = _____

l) 12 x 12 = _____

3. Graph each of the points.

X	Y
0	3
1	5
2	7
3	5
4	3
5	1
6	3
7	5



Show your work! Show your work! Show your work!

4. Find the greatest common factor (GCF) of the following sets of numbers:

a) 12, 16 b) 18, 20 c) 35, 42 d) 50, 60

5. If M = 27, simplify each of the following:

a) M + 9 b) M - 12 c) 32 - M d) 2M

6. Change the following fractions to mixed numbers

a) $\frac{7}{2}$ b) $\frac{8}{3}$ c) $\frac{9}{4}$ d) $\frac{10}{6}$

e) $\frac{11}{}$ f) $\frac{12}{8}$ g) $\frac{13}{9}$ h) $\frac{14}{10}$

7. Place the following fractions on the number line where they belong:

$$\frac{3}{5}, \frac{1}{8}, \frac{2}{7}$$

Show your work! Show your work! Show your work!

Summer Review- Week #

Complete each of the problems below. Please show all of your work.

1. **Practice your multiplication facts**

a) 9 x 1 = _____

b) 9 x 2 = _____

c) 9 x 3 = _____

d) 9 x 4 = _____

e) 9 x 5 =_____

f) 9 x 6 = _____

g) 9 x 7 = _____

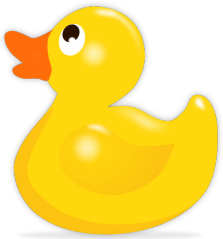
h) 9 x 8 = _____

i) 9 x 9 = _____

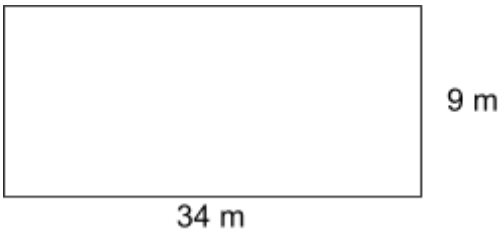
j) 9 x 10 = _____

k) 9 x 11 = _____

l) 9 x 12 = _____

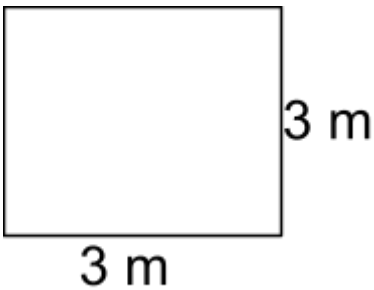


2. **Find the perimeter and area of the figures:**



P=

A=



P=

A=

3. **Subtract**

a) 74, 765 - 26,591

b) 71,224 - 24,433

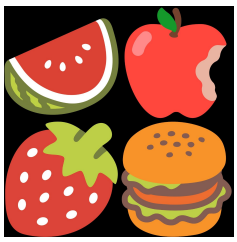
c) 964,978 - 961,233

d) 843,281-44,189

4. Add

a) 2,604 + 5,642 + 8,833

b) 3,295 + 336 + 6,936



c) 8,796 + 7,106 + 3,377

d) 9,423 + 336 + 4,285

5. Change the following mixed numbers to improper fractions

a) $4\frac{2}{3}$ b) $6\frac{3}{4}$ c) $7\frac{4}{5}$ d) $8\frac{5}{6}$

6. Find the greatest common factor (GCF) of the following sets of numbers:

a) 72, 82 b) 34, 51 c) 42, 63 d) 46, 92

e) 15, 90 f) 28, 42 g) 9, 12 h) 15, 21

8. Place the following fractions on the number line where they belong:

$$\frac{3}{4}, \frac{1}{4}, \frac{2}{5}$$

Answer Key

Week #1

1) a) 44 b) 18 c) 56 d) 54 e) 60 f) 84 g) 80 h) 27
2) a) 3 b) 4 c) 9 d) 6 e) 11 f) 12 g) 8 h) 9
3) a) p=24 ft A=64ft^2 b) P= 34 ft A= 60m^2
4) a) 1 b) 5 c) 2 d) 4
5) a) 16 b) 3 c) 5 d) 40
6) a) $\frac{2}{3}$ b) $\frac{2}{3}$ c) $\frac{2}{3}$ d) $\frac{2}{3}$ e) $\frac{2}{3}$ f) $\frac{6}{7}$ g) $\frac{1}{2}$ h) $\frac{4}{5}$
7) drawing
8) a) 628 b) 1,244 c) 1,656 d) 767
9) a) 32 b) 15 c) 271 d) 65

Week #2

1) a) 4 b) 8 c) 12 d) 16 e) 20 f) 24 g) 28 h) 32 i) 36 j) 40 k) 44 l) 48
2) a) 12 b) 3 c) 5 d) 9 e) 1 f) 4 g) 10 h) 7 i) 11 j) 8 k) 2 l) 6
3) Graph
4) a) 9 b) 4 c) 2 d) 1
5) a) 61 b) 26 c) 37 d) 162
6) a) $\frac{1}{9}$ b) $\frac{1}{10}$ c) $\frac{1}{12}$ d) $\frac{1}{11}$ e) $\frac{1}{4}$ f) $\frac{4}{5}$ g) $\frac{1}{5}$ h) $\frac{1}{7}$
7) drawing
8) a) 30 b) 56 c) 60 d) 60

Week #3

1) a) 6 b) 12 c) 18 d) 24 e) 30 f) 36 g) 42 h) 48 i) 54 j) 60 k) 66 l) 72
2) a) 12 b) 3 c) 5 d) 9 e) 1 f) 4 g) 10 h) 7 i) 11 j) 8 k) 2 l) 6
3) Graph
4) a) $\frac{7}{5}$ b) $\frac{23}{10}$ c) $\frac{41}{12}$ d) $\frac{47}{11}$
5) a) 16813 b) 14600 c) 17,740
6) a) 1028 b) 5223 c) 1254
7) a) 102 cm^2 b) 504 cm^2
8) a) 30 b) 56 c) 60 d) 60

Week #4

1) a) 7 b) 14 c) 21 d) 28 e) 35 f) 42 g) 49 h) 56 i) 63 j) 70 k) 77 l) 84
2) a) 12 b) 3 c) 5 d) 9 e) 1 f) 4 g) 10 h) 7 i) 11 j) 8 k) 2 l) 6
3) a) 924 cm^2 b) 336 cm^2
4) a) 36 b) 24 c) 36 d) 90
5) a) $2\frac{7}{10}$ b) $3\frac{1}{5}$ c) $1\frac{8}{13}$ d) $1\frac{1}{4}$
6) a) $\frac{6}{7}$ b) $\frac{5}{6}$ c) $\frac{1}{2}$ d) $\frac{1}{2}$ e) $\frac{4}{5}$ f) $\frac{5}{6}$ g) $\frac{3}{7}$ h) $\frac{1}{2}$
7) Number Line

Week #5

1) a) 8 b) 16 c) 24 d) 32 e) 40 f) 48 g) 56 h) 64 i) 72 j) 80 k) 88 l) 96

2) a) 12 b) 24 c) 36 d) 48 e) 60 f) 72 g) 84 h) 96 i) 108 j) 120 k) 132 l) 134

3) Graph

4) a) 4 b) 2 c) 7 d) 10

5) a) 36 b) 15 c) 5 d) 54

6) a) $3\frac{1}{2}$ b) $2\frac{2}{3}$ c) $2\frac{1}{4}$ d) $1\frac{2}{3}$ e) $1\frac{4}{7}$ f) $1\frac{1}{2}$ g) $1\frac{4}{9}$ h) $1\frac{2}{5}$

7) Number line

Week #6

1) a) 9 b) 18 c) 27 d) 36 e) 45 f) 54 g) 63 h) 72 i) 81 j) 90 k) 99 l) 108

2) a) P = 86 m A = 306 m^2 b) P = 12 m A = 9 m^2

3) a) 48,174 b) 46,791 c) 3,745 d) 799,092

4) a) 17,079 b) 10,567 c) 19,279 d) 14,044

5) a) $\frac{14}{3}$ b) $\frac{27}{4}$ c) $\frac{39}{5}$ d) $\frac{53}{6}$

6) a) 2 b) 17 c) 21 d) 46 e) 15 f) 14 g) 3 h) 3

7) Number line