

AIM: GCF/LCM Stations Activity

Math 6
Ms. Piccolo

Name Key
Date _____

Please show your work and record your answers in the space provided.

1a)

2	30	50
5	15	25
1	3	5

GCF: $2 \times 5 \times 1$

10

1b)

5	45	60
3	9	12
1	3	4

GCF: $5 \times 3 \times 1$

15

1c)

2	96	144
2	48	72
4	24	36
3	6	9
1	2	3

GCF: $2 \times 2 \times 4 \times 3 \times 1$

48

$\begin{array}{r} 16 \\ \times 3 \\ \hline 48 \end{array}$

2a)

3	9	12
1	3	4

36

LCM: $3 \times 3 \times 4$

2b)

3	12	30
2	4	10
1	2	5

60

LCM: $3 \times 2 \times 1 \times 2 \times 5$

2c)

2	20	50
5	10	25
1	2	5

100

LCM: $2 \times 5 \times 1 \times 2 \times 5$

3a)

3	18	24
2	6	8
1	3	4

6

6 Teams
3 girls / 4 boys

3b)

GCF

2	60	48
3	30	24
2	10	8
1	5	4

12

12 kits (5 hand)
4 feet

3c)

GCF

5	100	435
1	20	87

5 groups
(87 reps + 20 senators)

AIM: GCF/LCM Stations Activity

challenge

4a)

2	10	8
1	5	4

LCM (40) hotdogs/
buns

4 pkgs. hotdogs
5 pkgs buns

4b)

3	12	15
1	4	5

LCM: 60 minutes

7:00am

4c)

4	(24)	40
2	6	10
1	3	5

LCM

120 teeth

$24 \overline{) 120} = 5$

5 revolutions

5a) GCF:

10	360	480	640
4	36	48	64
1	9	12	16

40 care
pkgs.

5b) LCM:

special case

3	3	6	(5)
1	1	2	5
			30

10 laps - 30
5 laps - 30
6 laps - 30

30 minutes

5c) GCF:

4	32	24	16
2	8	6	4
1	4	3	2

8 different
arrangements
(4 maroon/3 white/2 orange)

6a)

Prime #'s < 12
(2, 3, 5, 7, 11)

multiply
2, 3, 10

DOB: 2/3/10

6b)

2 #'s whose GCF is 8

16 + 24
32 + 40
32 + 24

2	12	32
2	6	16
1	3	8

6c)

2 #'s whose LCM is 28.

7	14
4	4

8	16	32
2	2	4

54

8	48	64
2	6	8
1	3	4

8	32	40
1	4	5