

Center #1 – Evaluate the expression.

1) $3 \times 6 - 12 \div 6$

2) $20 \times (3^3 - 4) \div 20$

3) $5 + (4^2 + 2) \div 6$

4) $12 + 4 (16 \div 4)^2$

Center #2 – List the factor pairs for each number.

1) 28

2) 44

3) 63

Center #3 – Write the prime factorization of the number.

1) 42

2) 450

3) 1680

Center #4 – Find the lowest common multiple.

1) 4 and 14

2) 18 and 27

Center #5 – Find the greatest common factor.

1) 30 and 48

2) 32, 56, and 96

Center #6 – Add or subtract. Write the answer in simplest form.

1) $\frac{2}{7} + \frac{1}{4}$

2) $\frac{5}{9} + \frac{3}{8}$

3) $3\frac{5}{6} - 2\frac{7}{15}$

Center #1 – Evaluate the expression.

1) $3 \times 6 - 12 \div 6$

$$18 - 2 = 16$$

2) $20 \times (3^3 - 4) \div 20$

$$20 \times (27 - 4) \div 20$$

$$20 \times 23 \div 20$$

$$460 \div 20 = 23$$

3) $5 + (4^2 + 2) \div 6$

$$5 + (16 + 2) \div 6$$

$$5 + 18 \div 6$$

$$5 + 3 = 8$$

4) $12 + 4(16 \div 4)^2$

$$12 + 4(4)^2$$

$$12 + 4(16)$$

$$12 + 64 = 76$$

Center #2 – List the factor pairs for each number.

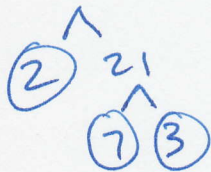
1) 28 - 1, 2, 4, 7, 14, 28

2) 44 - 1, 2, 4, 11, 22, 44

3) 63 - 1, ~~2~~ 3, 7, 9, 21, 63

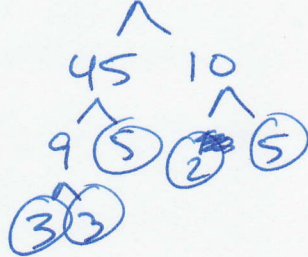
Center #3 – Write the prime factorization of the number.

1) 42



$$2 \cdot 3 \cdot 7$$

2) 450



$$2 \cdot 3^2 \cdot 5^2$$

3) 1680



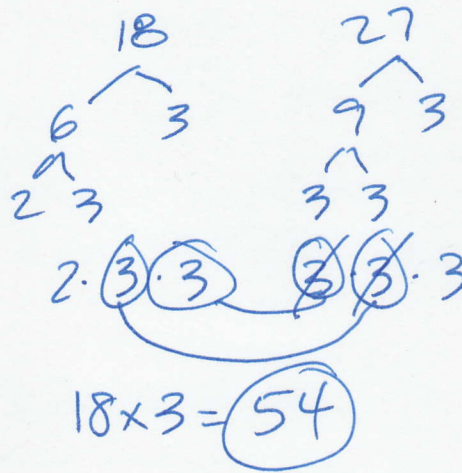
$$2^4 \cdot 3 \cdot 5 \cdot 7$$

Center #4 – Find the lowest common multiple.

1) 4 and 14

4 → 4, 8, 12, 16, 20, 24, 28
 14 → 14, 28

2) 18 and 27

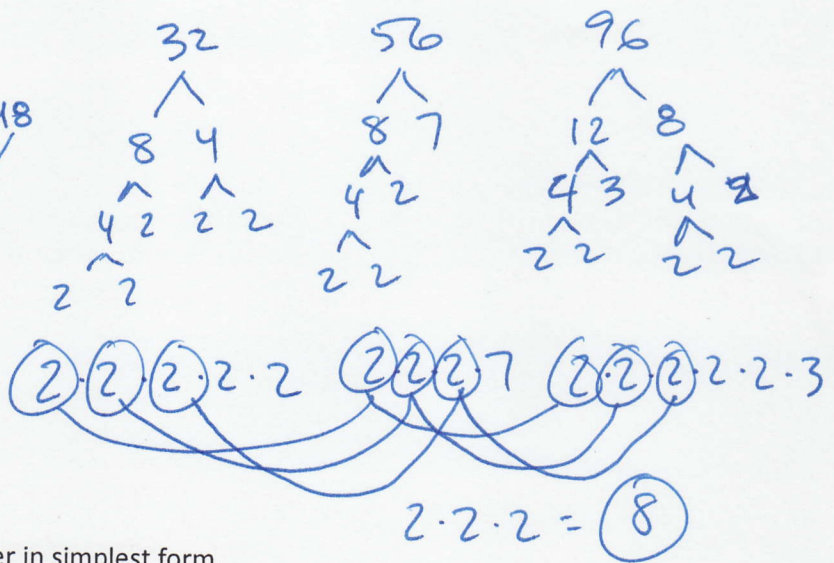


Center #5 – Find the greatest common factor.

1) 30 and 48

30 - 1, 2, 3, 5, 6, 10, 15, 30
 48 - 1, 2, 3, 4, 6, 8, 12, 16, 24, 48

2) 32, 56, and 96



Center #6 – Add or subtract. Write the answer in simplest form.

1) $\frac{2}{7} + \frac{1}{4}$

$$\frac{8}{28} + \frac{7}{28} = \frac{15}{28}$$

2) $\frac{5}{9} + \frac{3}{8}$

$$\frac{40}{72} + \frac{27}{72} = \frac{67}{72}$$

3) $3\frac{5}{6} - 2\frac{7}{15}$

$$3\frac{5}{6} = 3\frac{25}{30}$$

$$- 2\frac{7}{15} = 2\frac{14}{30}$$

$$1\frac{11}{30}$$