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Math Review Worksheet **WITH ANSWERS**

Using a calculator give the answer for the multiplication and division questions below.

- 1) $5 * 4 = 9$
- 2) $3 / 6 = 0.5$
- 3) $(9 * 14) / (2 * 8) = 7.875$
- 4) $308 / (74 * 13) = 0.32$
- 5) $((45 / 18) 16) / (32 * 70 / (63 / 12)) = 0.0034$

6)

96	25	1.2
4.8	78	36

Answer = **0.2137**

7)

63	8.5	37
78	4.9	5.2

Answer = **9.969**

Give the decimal of each percent below.

- 1) $50\% = 0.50$
- 2) $42\% = 0.42$
- 3) $9\% = 0.09$
- 4) $137\% = 1.37$

Give the percent of each decimal below.

- 1) $0.63 = 63\%$
- 2) $0.12 = 12\%$
- 3) $1.98 = 198\%$
- 4) $0.04 = 4\%$

If you have 360 players and 8 teams, what is the proportion of players to teams?

Answer = **45**

If you have 50 plates and 40 cups, what is the ratio of cups to total dishes?

Answer = **0.444**

Using a calculator give the answer to the exponent below.

- 1) $3^3 = 27$
- 2) $4^6 = 4096$
- 3) $2^{10} = 1024$
- 4) $10^4 = 10000$
- 5) $10^{-3} = 0.001$
- 6) $10^{-6} = 0.000001$
- 7) $10^{14} = 100000000000000$

Without a calculator give the answer to the exponent below.

- 1) $10^{-2} = 0.01$
- 2) $10^5 = 100000$
- 3) $10^{-13} = 0.000000000000001$
- 4) $10^{11} = 100000000000$

Give the least common multiple between the combination of numbers below.

- 1) 3 and 5 = 15
- 2) 2 and 4 = 4
- 3) 6 and 9 = 54
- 4) 36 and 12 = 36

Give the greatest common divisor between the combination of numbers below.

- 1) 42 and 28 = 2
- 2) 30 and 24 = 6
- 3) 80 and 35 = 5
- 4) 45 and 108 = 9

Solve for the variable R in the equation below.

$8 * R =$	10

$$10 / 8 = R = 1.25$$

Solve for the variable T in the equation below.

$3 * 5 =$	$12 * T$
	9

$$(3 * 5 * 9) / 12 = T = 11.25$$

Solve for the variable P in the equation below.

34 =	5
P	

$$34 / 5 = P = 6.8$$

Solve for the variable Y in the equation below.

$$18 * 6 = 3 * Y$$

$$(18 * 6) / 3 = Y = 36$$

Solve for the variable G in the equation below.

$$(2 * G) / (4 * 8) = 37$$

$$(37 * 4 * 8) / 2 = G = 592$$

Solve for the variable S in the equation below.

$$(6 * 14) / (7 * S) = 12 / 8$$

$$(6 * 14 * 8) / (7 * 12) = S = 8$$

