(1) $2016 \div 8 =$	
(2) $2013 - 201 + 13 = $	
(3) $132 \div 25 =$	(decimal)
(4) $3\frac{3}{8}\% = $	(decimal)
(5) $2090 \div 9 =$	_ (mixed number)
(6) $MD + DC =$	(Arabic numeral)
(7) $1\frac{2}{3} + 1\frac{1}{4} = $	_ (mixed number)
(8) $18^2 = $	
(9) $34^2 = $	
*(10) $374 - 1056 + 1916 = $	
(11) 40% of 42 less 38 is	
(12) What is $2\frac{1}{4}\%$ of 28?	
(13) How many positive integers relatively prime to 49?	less than 49 are
(14) $18 - 12 \div 4 \times 3 + 2 = $	
(15) The mode of 1, 2, 1, 3, 2, 1, and	d 3 is
(16) The GCD of 96 and 56 is	
$(17) \ \frac{5}{6} + \frac{6}{5} =$	_ (mixed number)
(18) $8\frac{1}{3}\% + 16\frac{2}{3}\% = $	(fraction)
(19) .076 =	(fraction)
*(20) $8 \times 15 \times 1947 =$	
(21) 26% of	is 12% of 39.
(22) Which of the following is a tr 9,15, or 18?	riangular number:

(23) A rectangle has a length of 2.4 in and a width of
1.5 m. Its area is sq. m.
(24) If $f(x) = x^2 - 10x + 25$, then $f(37) =$
(25) If $5^{(-1)} + x^{(-1)} = 4^{(-1)}$, then $x = $
(26) 3212015 ÷ 11 has a remainder of
(27) The set $\{s, i, x\}$ has proper subsets
(28) $1 + 4 + 7 + 10 + \ldots + 31 = $
(29) $51 \times 59 =$
*(30) $\sqrt{870} \times 295 =$
(31) $0.2333 = $ (fraction)
(32) $1073 \div 37 =$
(33) A square has a diagonal of $4\sqrt{2}$ cm. The perimeter
of the square is cm.
(34) A 6-element set has proper subsets
$(35) \ 54^2 - 55^2 = _$
(35) $54^2 - 55^2 =$ (36) $2 + 4 \times 6 - 8 \div 10 =$
(35) $54^2 - 55^2 =$ (36) $2 + 4 \times 6 - 8 \div 10 =$ (37) $96 \times 103 =$
(35) $54^2 - 55^2 =$ (36) $2 + 4 \times 6 - 8 \div 10 =$ (37) $96 \times 103 =$ (38) $82 \times 22 =$
(35) $54^2 - 55^2 =$ (36) $2 + 4 \times 6 - 8 \div 10 =$ (37) $96 \times 103 =$ (38) $82 \times 22 =$ (39) $42^2 - 44^2 =$
(35) $54^2 - 55^2 =$ (36) $2 + 4 \times 6 - 8 \div 10 =$ (37) $96 \times 103 =$ (38) $82 \times 22 =$ (39) $42^2 - 44^2 =$ *(40) $\sqrt{30976} =$
(35) $54^2 - 55^2 =$ (36) $2 + 4 \times 6 - 8 \div 10 =$ (37) $96 \times 103 =$ (38) $82 \times 22 =$ (39) $42^2 - 44^2 =$ *(40) $\sqrt{30976} =$ (41) If $x + 4y = 5$ and $x - 3y = 4$ then $y =$
(35) $54^2 - 55^2 =$ (36) $2 + 4 \times 6 - 8 \div 10 =$ (37) $96 \times 103 =$ (38) $82 \times 22 =$ (39) $42^2 - 44^2 =$ *(40) $\sqrt{30976} =$ (41) If $x + 4y = 5$ and $x - 3y = 4$ then $y =$ (42) $48 \times 11 + 44 \times 12 =$
(35) $54^2 - 55^2 =$ (36) $2 + 4 \times 6 - 8 \div 10 =$ (37) $96 \times 103 =$ (38) $82 \times 22 =$ (39) $42^2 - 44^2 =$ *(40) $\sqrt{30976} =$ (41) If $x + 4y = 5$ and $x - 3y = 4$ then $y =$ (42) $48 \times 11 + 44 \times 12 =$ (43) The arithmetic mean of 17, 22, and 25 is
(35) $54^2 - 55^2 =$ (36) $2 + 4 \times 6 - 8 \div 10 =$ (37) $96 \times 103 =$ (38) $82 \times 22 =$ (39) $42^2 - 44^2 =$ *(40) $\sqrt{30976} =$ *(41) If $x + 4y = 5$ and $x - 3y = 4$ then $y =$ (42) $48 \times 11 + 44 \times 12 =$ (43) The arithmetic mean of 17, 22, and 25 is (44) A square is to a hexagon as an octagon is to a polygon of

- $(46) \ 5! + 3! = _$
- (47) $112 \times 104 =$ _____
- (48) $40^{\circ}C =$ ______°F
- (49) ..., $-1\frac{1}{3}$. $-\frac{2}{3}$, x, y, ... is an arithmetic sequence. Find the value of y.
- *(50) $3\pi^2 \times (2.1)(\pi^4) =$ _____
- (51) (5-7i)(5+7i) = a + bi. Find a + b _____
- (52) $\cot(-225^{\circ}) =$ _____
- (53) Point (h, k) is the vertex of the parabola $y = -2(x+1)^2 8$. Find h+k.
- (54) $\log_4 32 + \log_4 2 + \log_4 1 =$ _____
- (55) The coefficient of the x^2y term of the expansion of $(3x + 2y)^3$ is _____
- (56) How many 2-member committees can be formed from a group of 7 people?
- (57) $(2i)^6 =$ _____
- (58) (4 i)(3 + 2i) = a + bi. Find a.
- (59) The total surface area of a cube with an edge of 4" is ______ sq. inches
- *(60) $48 \times 49 \times 50 =$ _____
- (61) If f(x) = 3x 4 and g(x) = 4 + 3x, then f(g(1)) =______
- (62) A square based prism has a base side length of 2' and a height 5'. Its volume is _____ cu. ft
- (63) $\frac{15}{13} + \frac{13}{15} 1 =$ (mixed number)

- (64) $\sin(75^\circ)\cos(75^\circ) =$ _____
- (65) How many 3-element subsets does a 5-element set contain?
- (66) If $\sin A = .7$, then $\csc A =$ _____
- (67) Find f(5) if $f(x) = \log_5 x + 5$.
- (68) Change $0.3444..._7$ to a base 10 fraction.

(69)
$$\sin\left(\frac{7\pi}{6}\right) + \cos^2\left(\frac{11\pi}{6}\right) + \tan\left(\frac{9\pi}{4}\right) =$$

- *(70) The surface area of a sphere with a diameter of 9 inches is ______ sq. inches
- $(71) \ 2(1!) + 3(2!) + 4(3!) + 5(4!) + 6(5!) = _$
- (72) If $f(x) = 3x^4 5x + 6$, then f'(1) =_____
- (73) The horizontal asymptote of $y = \frac{(2x-1)}{(3x+2)(2x+6)}$ is y =______
- (74) $\lim_{x \to 3} \left(\frac{x^2 + x 1}{x 3} \right) =$ _____
- (75) If the polar coordinates of the rectangular coordinates (11, 60) are $(r, \theta), r =$
- (76) $\int_0^1 \sqrt[3]{x} \, dx =$ ______
- (77) The slope of the line tangent to $y = 3x^2 x + 2$ at (1,4) is ______
- $(78) \ \frac{1}{3} + \frac{1}{5} + \frac{1}{15} + \frac{1}{45} = _$
- (79) The graph of $f(x) = \frac{(x^2 5x + 6)}{(x^2 4)}$ has a hole at
- *(80) 888.8 ÷ $55\frac{5}{9}\% \times \frac{2}{9} =$ _____