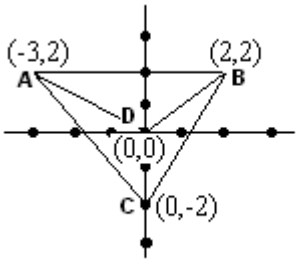
1. How much greater is $1+2+3+4+5+6+7+8+9+10$ than $1+2+3+4+5$?	1. 40
2. What is $\frac{5\times4\times3\times2\times1}{3\times2\times1}$?	2. 20
3. What is $\frac{9}{4}+\frac{3}{4}$?	3. 3
4. If $a=99$ and $b=4$, find the remainder of the division $\frac{a}{b}$.	4. 3
5. Johnson has 5 nickels, 9 quarters, 8 pennies, and 5 dollar bills. How much money does he have?	5. \$7.58
6. Which of these numbers is the smallest? **a.** 0.66 **b.** 6/10 **c.** 66/100 **d.** 13/20	6. Circle one a [b] c d
7. There are 12 eggs in a carton, 8 cartons in a crate, and 9 crates in a container. How many eggs are in a container?	7. 864 eggs
8. What is $x+2+x+2+x+2+x+2+x+2+x+2$ if x is equal to 7?	8. 54
9. Calculate $\frac{1}{2}+\frac{2}{3}-\frac{3}{4}$	9. $\frac{5}{12}$
10. Solve for *x:* 400+400+400+400+400+400+400+400+400+400=100× **a.** 0.36 **b.** 3.6 **c.** 36 **d.** 360	10. Circle one: a b [c] d
11. Kelly telephoned Brook about a homework problem. Kelly said, "Four plus three times two is 14, isn't it?" Brook replied "No it's 10." Who was correct?	11. Brook
12. 75% of a 12-slice pizza is _____ slices. **a.** 7 **b.** 8 **c.** 9 **d.** 10	12. Circle one: a b [c] d
13. What is the result when the largest number in the set $\left\{\frac{1}{8}, 2, \frac{1}{4}, 0.3, 8\right\}$ is divided by the smallest number in the set?	13. 64
14. If $a\times b=30$ and $c\times d=4$. What is $a\times b\times c\times d$?	14. 120
15. What is the largest 3-digit number that can be obtained from 4921508 by crossing out 4 digits? Keep the digits in their original order.	15. 958
16. If $x=4$, what is the value of $3x-6$?	16. 6
17. Simplify $x+2+x+2+x+2+x+2+x+2+x+2$	17. $6x+12$
18. Solve for x: $12x-6x=3$	18. $x=\frac{1}{2}$
19. In the triangle below, one angle measures 72°. What is the sum, of the other two angles? **a.** 72° **b.** 108° **c.** 110° **d.** 144° **e.** 288° 	19. Circle one: a [b] c d e
20. Find the next number suggested by the sequence 2, 5, 9, 14, 20, __?	20. 27

21.	Jason drove at a constant rate of 54 miles per hour. How many miles did he travel in 120 minutes?	21.	108
22.	Divide the area of a circle by the area of its semi-circle. **a.** 4 **b.** $\frac{1}{4}$ **c.** $\frac{1}{2}$ **d.** 2	22.	Circle one: a b c d
23.	A coin is flipped five times and comes up heads each of the five times. The next time the coin is flipped, what is the probability (expressed as a percent) it will come up heads?	23.	50 %
24.	A small pool is 20 feet long, 12 feet wide and 4 feet deep. There are 7.5 gallons of water in a cubic foot. At the rate of 5 gallons per minute, how long will it take to fill the pool (in hours)?	24.	24 hours
25.	Which number is closer to zero, $-\frac{4}{5}$ or $\frac{5}{4}$?	25.	$-\frac{4}{5}$
26.	If you flip a coin twice, what is the chance of getting heads both times? Express your answer as a fraction.	26.	$\frac{1}{4}$
27.	If $x-y=2015$ what is the value of $y-x$?	27.	-2015
28.	We fill a container with water to $\frac{1}{2}$ of its capacity, then we remove $\frac{1}{3}$ of the water and we are left with 1002 ml. What is the capacity of the container?	28.	3006 ml
29.	Solve the inequality for x. $-\frac{x+\frac{4}{3}}{7} > \frac{10}{21}$	29.	$x < -\frac{14}{3}$
30.	If $a!=a(a-1)(a-2)\cdots(2)(1)$, find the value of $\frac{(100+1)!}{(100-1)!}$.	30.	10,100
31.	Combine over a common denominator $\frac{1}{a}+\frac{2}{3a}+3$.	31.	$\frac{5+9a}{3a}$
32.	Evaluate: $-1^{20}+(-1)^{21}$	32.	-2
33.	What is ratio of the area of triangle ABC to triangle ABD? 	33.	2