	Answers
1. Three years ago, I was 6, so now I'm 6 + 3 = 9 years old. A) 3 B) 6 C) 9 D) 18	1. C
2. Product = 0, so the correct choice is D since it has 0 as a factor. A) 10×2×4 B) 200×4 C) 20×4 D) 3×0×5	2. D
3. Every woolly mammoth has two tusks, so 22 woolly mammoths have 22×2 = 44 tusks. A) 11 B) 22 C) 44 D) 88 	3. C
4. 5×25¢ = 25×5¢. A) 25 B) 50 C) 75 D) 125	4. A
5. 1+2+3 = (11−10)+(22−20)+(33−30) = 11+22+33−(10+20+30). A) 30 B) 50 C) 60 D) 66	5. C
6. 550 < *five hundred fifty-five* < 560; this is midway, so round up. A) 556 B) 560 C) 565 D) 600	6. B
7. (84÷84) + 84 = 1 + 84 = 85. A) 84 B) 85 C) 168 D) 252	7. B
8. I wrote the same 12-letter message on the blackboard 5 days in a row. In all, I wrote 12×5 = 60 letters. A) 12 B) 17 C) 26 D) 60 	8. D
9. 24×24 = 12×2×12×2 = 12×12×4. A) 2 B) 4 C) 12 D) 144	9. B
10. (9+99+999) − (9+999) = (9−9) + 99 + (999−999) = 99. A) 1098 B) 999 C) 108 D) 99	10. D
11. 8 dozen = 8×12 = 96 = 48×2 = 48 pairs = 2×24 pairs. A) 2 B) 4 C) 8 D) 12	11. A
12. If the sum of the ones' digits is odd, then the whole sum is odd. A) 1248 + 8421 = ***9 B) 8412 + 4812 = ****4 C) 8421 + 4821 = ****2 D) 1248 + 1284 = ***2	12. A

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	Answers
13. The product of 1 and 19 is 19. The sum of 1 and 19 is 20. A) 12 B) 17 C) 20 D) 28	13. C
14. The tens' digit of 2003×2004 is the same as that of 3×4 = 12. A) 3 B) 2 C) 1 D) 0	14. C
15. Since "i" comes after "a" in the alphabet, my name could *not* be Simba. A) Simba B) Simbo C) Simbu D) Simby 	15. A
16. 36 ÷ 3 = 12 = 3×4. A) 33 B) 12 C) 6 D) 4	16. D
17. By working for 7 days from 7 P.M. to 10 P.M., this babysitter worked 7×3 hrs. = 21 hrs. and earned 21×$6 = $126. A) $18 B) $42 C) $72 D) $126	17. D
18. 10×1×11×1×10 = 11×1×1×10×10 = 11×100. A) 3 B) 10 C) 20 D) 100	18. D
19. Of the numbers 1, 2, 3, 4, 5, 6, 7, 8, and 9, only 3, 6, and 9 are divisible by 3. These are the 3 that are divisible by 3. A) 1 B) 2 C) 3 D) 4	19. C
20. The taxi began with 6 kids. After 3 stops, 3 kids got in the taxi and 6 got out. After 3 stops, there were 6+3−6 kids = 3 kids in the taxi. A) 3 B) 6 C) 9 D) 12 	20. A
21. 4×4×4 = 64 = 8×8. A) 6×6 B) 8×8 C) 12×12 D) 16×16	21. B
22. (The # of mins. in 1 hr.) − (the # of hrs. in 1 day) = 60−24 = 36. This is 24 less than the number of secs. in 1 min., which is 60. A) 36 less than B) 24 less than C) 24 more than D) 36 more than	22. B
23. In a circle, 1 diameter = 2 radii; so, 4×diameter = 8×radius. A) 2 B) π C) 8 D) 16	23. C

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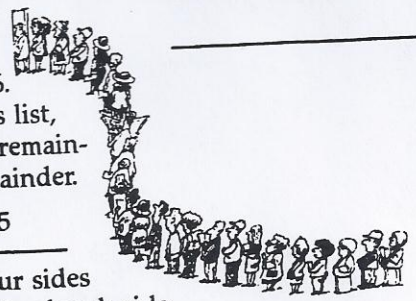
Answers

24. My age plus my dog's age was 18 years. Now, each of us is 8 years older. The sum of our current ages is 18 + 8 + 8 = 34.

A) 26 B) 34 C) 36 D) 52

24. B

25. Multiples of 4 are 4, 8, . . . , 92, 96. To count the numbers on this list, divide 99 by 4 and drop the remainder. Finally, 99 ÷ 4 = 24+ remainder.



A) 20 B) 21 C) 24 D) 25

25. C

26. If the sum of three of the four sides of the square is 18, the length of each side is 18 ÷ 3 = 6. The perimeter is 4 × 6 = 24.

A) 6 B) 24 C) 36 D) 72

26. B

27. Each number is its own largest even divisor. Pick the largest #.

A) 888 B) 6666 C) 44 444 D) 222 222

27. D

28. Of 7 tuba players, 4 play in the orchestra and 7 play in the marching band. Every tuba player plays in the band, so 4 tuba players play in both the orchestra and the band.

A) 4 B) 6 C) 7 D) 11

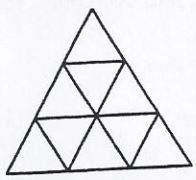
28. A

29. The number of ones used in each product is shown below.

A) 80 too small B) 88 = 2+2+2+2+5 + (75 × 1); least possible #
C) 90 = 4+4+5 + (77 × 1) D) 96 = 8+10 + (78 × 1)

29. A

30. There are 9 triangles whose sides have length 1. There are 3 triangles whose sides have length 2. There is 1 triangle whose sides have length 3. There are a total of 9 + 3 + 1 = 13 triangles.



A) 10 B) 11 C) 12 D) 13

30. D

The end of the contest ✍ 4