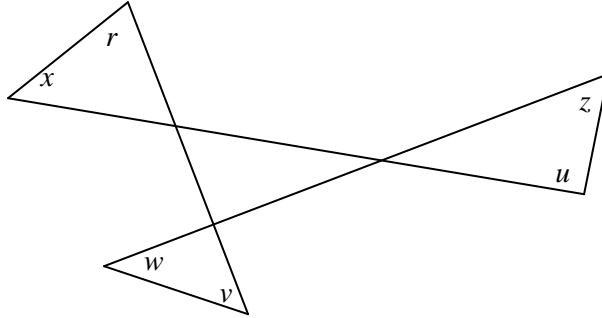


QUIZ PAGE 3

- 1) If **ten towels** on a clothes line take **three hours** to dry, how long do twenty similar towels (on the same line) take to dry?
- A: 9 hour B: 1 hours C: 6 hours D: 3 hours E: 2 hours
- 2) In a triangle the smallest angle is 20° . What is the **largest** possible angle in the triangle?
- A: 159° B: 160° C: 90° D: 80° E: 140°
- 3) One quarter of a number is 300. What is one third of the original number?
- A: 400 B: 1200 C: 200 D: 300 E: 600
- 4) What is the remainder when 743589×301647 is divided by 5 ?
- A: 0 B: 1 C: 2 D: 3 E: 4
- 5) What is the **units digit** of the answer to $23 \times 79 \times 58 \times 76 \times 85 \times 97$
- A: 1 B: 5 C: 6 D: 7 E: 0
- 6) What is the 50th term in the sequence: 1, 2, 2, 3, 3, 3, 4, 4, 4, 4, 5, 5, 5, 5, 5, 6, ...
- A: 11 B: 12 C: 13 D: 14 E: 10
- 7) The pattern AABBBCCCCAABBBCCCCAABBBCCCC continuously repeats.
- What is the 2012th letter in the pattern?
- A: A B: B C: C D: D E: E
- 8) Find the value of $399 - 397 + 395 - 393 + 391 - 389 + \dots 83 - 81$.
- A: 162 B: 160 C: 156 D: 154 E: 158

9) The sum of the six marked angles in the diagram is



- A: 90° B: 180° C: 270° D: 360° E: 720°

10) 5% of 25% of 4000 equals

- A: 500 B: 125 C: 50 D: 32 E: 200

11) If $10^x \times 10^y \times 10^z = 1000000$, then the average of x , y and z is

- A: 2 B: $\frac{7}{3}$ C: 2 D: 3 E: $\frac{5}{3}$

12) Half of 2^{2012} is

- A: 2^{1006} B: 2^{2006} C: 2^{2011} D: 2^{2008} E: 2^{1001}

More challenging for some!

13) The fraction $\frac{53}{17}$ can be expressed as $3 + \frac{1}{x + \frac{1}{y}}$.

If x and y are integers (whole numbers), the value of $x + y$ is

- A: 8 B: 9 C: 10 D: 11 E: 12

14) What is the units digit of $3^{2010} \times 5^{2011} \times 6^{2012}$? Note: the units digit of 3458 is 8.

- A: 6 B: 5 C: 2 D: 0 E: 8

15) If $5x + 3y = 11$, $z - y = 9$ and $z + 8 = 3x$, then the value of $(x + y + z)^2$ is

- A: 36 B: 121 C: 64 D: 144 E: 169

16) $10^x = 1\frac{5}{8}$ $10^y = \frac{8}{13}$. Find the exact value of $10^{(x+y)}$

- A: 0 B: $\frac{169}{64}$ C: 10 D: $\frac{64}{169}$ E: 1

ANSWERS TO QUIZ PAGE 3 QUESTIONS

1.D

2.E

3. A

4. D

5. E

6. E

7. B

8. B

9. D

10. C

11. C

12. C

13. C

14. D

15. A

16. E

If you find any errors, please let me know.