

CSS General Abilities Topic 3 Geometry

| Sr | Questions | Answers Choice |
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| 1 | Question Image | A. $\angle A + 180^\circ$ B. $180^\circ - \angle A$ C. $\frac{1}{2} \angle BAC$ D. $\angle A + 90^\circ$ |
| 2 | Question Image | A. 30 B. 36 C. 45 D. 54 |
| 3 | In quadrilateral WXYZ, the measure of angle Z is 1 more than twice the average of the measures of the three angles. What is the measure of angle Z ? | A. 100 B. 105 C. 120 D. 135 E. 150 |
| 4 | Question Image | A. 1.5 B. 1.75 C. 3 D. $2\sqrt{2}$ E. $3\sqrt{2}$ |
| 5 | The length of a rectangle is 5 more than the side of a square, and the width of the rectangle is 5 less than the side of square. If the area of the square is 45, what is the area of the rectangle ? | A. 20 B. 25 C. 45 D. 50 E. 70 |
| 6 | Question Image | A. 120° B. 52° C. 78° D. 130° |
| 7 | The sides of a triangle are in a ratio of 4 : 5 : 6. The smallest angle is | A. 82° B. 69° C. 56° D. 41° |
| 8 | Question Image | A. 100° B. 80° C. 60° D. 70° |
| 9 | An angle is equal to one-third of its supplement. Its measure is equal to | A. 40° B. 50° C. 45° D. 55° |
| 10 | Question Image | A. 12 B. 18 C. 12π D. 30π |
| 11 | What is the area of a circle whose circumference is $\pi/2$? | A. $\pi/16$ B. $\pi/4$ C. $\pi/2$ D. π |
| 12 | Question Image | A. 3 B. 4.5 C. 6 D. 7.5 |
| 13 | Question Image | A. $25/81$ B. $25/16$ C. $16/25$ D. $16/81$ |
| 14 | Question Image | A. 18 B. 27 C. 36 D. 45 |

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| 15 | Question Image <input type="text"/> | A. 18 B. 27 C. 36 D. 45 |
| 16 | Question Image <input type="text"/> | A. 7 B. 17 C. 9 D. 14 |
| 17 | Question Image <input type="text"/> | A. 6.9 cm B. 9.6 cm C. 3.9 cm D. 9.3 cm |
| 18 | If the angles of a five-sided polygon are in the ratio of 2 : 3 : 3 : 5 : 5, what is the measure of the smallest angle ? | A. 20 B. 40 C. 60 D. 80 E. 90 |
| 19 | What is the area of a circle whose radius is the diagonal of a square whose area is 4 ? | A. 2π B. $2\pi\sqrt{2}$ C. 4π D. 8π |
| 20 | Question Image <input type="text"/> | A. 15 B. 30 C. 45 D. 54 |