

YEAR 6 MATHEMATICS SELF ASSESSMENT TEST



“Test yourself or your child at home, and reach out to us only if you need extra help. Otherwise, give yourself or your child a pat on the back and best of luck for the future!”

Instructions: Answer all questions. All questions are multiple-choice. Some questions require calculations. Calculators may be used where appropriate.

1. What is the value of 7,345 rounded to the nearest hundred?

- a) 7,300
 - b) 7,350
 - c) 7,400
 - d) 7,500
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2. Which of the following is a prime number?

- a) 21
 - b) 29
 - c) 33
 - d) 35
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3. $4.5 \times 100 = ?$

- a) 450
 - b) 45
 - c) 4,500
 - d) 0.45
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4. Which fraction is equal to 0.75?

- a) $\frac{3}{4}$
 - b) $\frac{2}{3}$
 - c) $\frac{2}{5}$
 - d) $\frac{5}{6}$
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5. Solve: $3^2 \times 2^3 = ?$

- a) 18
 - b) 36
 - c) 72
 - d) 216
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6. The perimeter of a rectangle is 60 cm. If the length is 20 cm, what is the width?

- a) 10 cm
 - b) 15 cm
 - c) 20 cm
 - d) 25 cm
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7. Which of the following is an improper fraction?

- a) $\frac{4}{5}$
 - b) $\frac{2}{3}$
 - c) $\frac{7}{4}$
 - d) $\frac{3}{10}$
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8. What is $\frac{2}{3}$ of 120?

- a) 60
 - b) 70
 - c) 80
 - d) 90
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9. The mean of 6, 10, 8, and 16 is:

- a) 8
 - b) 9
 - c) 10
 - d) 12
-

10. 1 km = ? m

- a) 10
 - b) 100
 - c) 1000
 - d) 10,000
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11. Which of the following is a composite number?

- a) 13
 - b) 17
 - c) 19
 - d) 21
-

12. 20% of 250 is:

- a) 25
 - b) 40
 - c) 50
 - d) 75
-

13. Which angle is greater?

- a) 90°
 - b) 120°
 - c) 45°
 - d) 80°
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14. What is the perimeter of a square with side 12 cm?

- a) 36 cm
 - b) 48 cm
 - c) 60 cm
 - d) 144 cm
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15. Which decimal is equal to $\frac{3}{5}$?

- a) 0.2
 - b) 0.25
 - c) 0.4
 - d) 0.5
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16. If a box holds 24 chocolates and 3 such boxes are bought, how many chocolates are there in total?

- a) 48
 - b) 56
 - c) 72
 - d) 84
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17. $3.75 \times 1000 = ?$

- a) 37.5
 - b) 375
 - c) 3750
 - d) 37,500
-

18. Which number is divisible by both 3 and 5?

- a) 12
 - b) 20
 - c) 30
 - d) 42
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**19. A triangle has angles 50° and 60° .
The third angle is:**

- a) 60°
 - b) 70°
 - c) 80°
 - d) 90°
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20. Convert 2.5 km into metres.

- a) 250
 - b) 2500
 - c) 25,000
 - d) 250,000
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**21. Which of the following is a factor
of 56?**

- a) 6
 - b) 7
 - c) 9
 - d) 11
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**22. A die is rolled once. What is the
probability of getting a number less
than 3?**

- a) $\frac{1}{6}$
 - b) $\frac{1}{3}$
 - c) $\frac{1}{2}$
 - d) $\frac{2}{3}$
-

**23. What is the largest 6-digit
number?**

- a) 100,000
 - b) 1,000,000
 - c) 999,999
 - d) 999,000
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24. $3.6 \div 0.6 = ?$

- a) 0.6
 - b) 3
 - c) 6
 - d) 12
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25. Which is a square number?

- a) 18
 - b) 25
 - c) 27
 - d) 30
-

26. 15% of 600 = ?

- a) 45
 - b) 60
 - c) 75
 - d) 90
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27. The LCM of 6 and 8 is:

- a) 12
 - b) 18
 - c) 24
 - d) 48
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**28. Which of the following is an acute
angle?**

- a) 120°
 - b) 45°
 - c) 90°
 - d) 180°
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29. $4.09 \times 100 = ?$

- a) 40.9
 - b) 409
 - c) 4090
 - d) 40,900
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30. A shopkeeper sold 36 pens equally in 6 packs. How many pens were in each pack?

- a) 4
 - b) 5
 - c) 6
 - d) 12
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31. Convert 0.8 into a fraction.

- a) $\frac{4}{5}$
 - b) $\frac{4}{50}$
 - c) $\frac{4}{500}$
 - d) $\frac{5}{6}$
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32. What is the mode of 4, 6, 7, 7, 8, 9?

- a) 4
 - b) 6
 - c) 7
 - d) 8
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33. Which is the largest fraction?

- a) $\frac{2}{3}$
 - b) $\frac{3}{4}$
 - c) $\frac{2}{5}$
 - d) $\frac{4}{5}$
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34. Which number is a multiple of 12?

- a) 48
 - b) 50
 - c) 54
 - d) 58
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35. The area of a triangle with base 12 cm and height 8 cm is:

- a) 24 cm^2
 - b) 36 cm^2
 - c) 48 cm^2
 - d) 96 cm^2
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36. Which fraction is in simplest form?

- a) $\frac{6}{12}$
 - b) $\frac{8}{16}$
 - c) $\frac{9}{12}$
 - d) $\frac{5}{7}$
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37. $7,000 \div 100 = ?$

- a) 70
 - b) 700
 - c) 7,000
 - d) 70,000
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38. The probability of tossing a coin and getting heads is:

- a) 0
 - b) $\frac{1}{2}$
 - c) 1
 - d) 2
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39. Which unit is best to measure the length of a pencil?

- a) km
 - b) m
 - c) cm
 - d) mm
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40. Which is the correct Roman numeral for 49?

- a) XLIX
 - b) IL
 - c) XLIV
 - d) XLVI
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41. The prime factorization of 36 is:

- a) $2 \times 3 \times 6$
 - b) $2^2 \times 3^2$
 - c) 6×6
 - d) 12×3
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42. Which is a cube number?

- a) 8
- b) 9
- c) 10
- d) 12

43. Convert 3.25 hours to minutes.

- a) 150 min
 - b) 180 min
 - c) 195 min
 - d) 210 min
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44. Which is greater?

- a) 0.7
 - b) $\frac{2}{3}$
 - c) 0.65
 - d) 0.6
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45. What is the perimeter of a circle called?

- a) Diameter
 - b) Radius
 - c) Circumference
 - d) Chord
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46. Which number has a remainder when divided by 2?

- a) 16
 - b) 28
 - c) 35
 - d) 40
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47. The sum of the interior angles of a hexagon is:

- a) 360°
- b) 540°

- c) 720°
 - d) 900°
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48. Which of these decimals is the smallest?

- a) 0.25
 - b) 0.3
 - c) 0.125
 - d) 0.5
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49. A train leaves at 9:45 am and arrives at 1:15 pm. How long was the journey?

- a) 2 hours 30 minutes
 - b) 3 hours 15 minutes
 - c) 3 hours 30 minutes
 - d) 4 hours
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50. Which of the following is equivalent to 25%?

- a) 0.1
- b) 0.25
- c) 0.5
- d) 0.75