

YEAR 5 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.

Number & Algebra

1. What is 4,325 rounded to the nearest hundred?
a) 4,300
b) 4,400
c) 4,320
d) 4,350
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2. Which fraction is equal to $\frac{2}{4}$?
a) $\frac{1}{2}$
b) $\frac{1}{3}$
c) $\frac{3}{4}$
d) $\frac{2}{3}$
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3. $85 \div 5 = ?$
a) 15
b) 16
c) 17
d) 18
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4. Which number is a prime number?
a) 9
b) 11
c) 15
d) 21
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5. What is 7×8 ?
a) 54
b) 56
c) 58
d) 64

6. Which number is divisible by 6?
a) 124
b) 132
c) 145
d) 155
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7. Simplify: $\frac{3}{5} + \frac{1}{5} = ?$
a) $\frac{2}{10}$
b) $\frac{4}{5}$
c) $\frac{3}{10}$
d) $\frac{5}{5}$
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8. What is $2,500 \div 100$?
a) 20
b) 25
c) 200
d) 250
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9. Which is equivalent to 0.75?
a) $\frac{1}{2}$
b) $\frac{3}{4}$
c) $\frac{7}{10}$
d) $\frac{2}{5}$
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10. Which number is a multiple of both 3 and 4?
a) 10
b) 12
c) 15
d) 20
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Measurement & Geometry

11. How many degrees in a straight angle?

- a) 90°
- b) 180°
- c) 270°
- d) 360°

12. Which shape has 6 equal sides?

- a) Square
- b) Hexagon
- c) Pentagon
- d) Octagon

13. Convert 3 km into metres.

- a) 30
- b) 300
- c) 3,000
- d) 30,000

14. The perimeter of a rectangle is 30 cm. If the length is 10 cm, what is the width?

- a) 5 cm
- b) 10 cm
- c) 15 cm
- d) 20 cm

15. How many millilitres are in 2.5 litres?

- a) 250 ml
- b) 2,050 ml
- c) 2,500 ml
- d) 25 ml

16. What is the area of a rectangle 8 cm \times 7 cm?

- a) 15 cm^2
- b) 48 cm^2
- c) 56 cm^2
- d) 64 cm^2

17. Which is the largest angle?

- a) Acute
- b) Right
- c) Obtuse
- d) Reflex

18. A triangle with all equal sides is called?

- a) Isosceles
- b) Equilateral
- c) Scalene
- d) Right-angled

19. How many grams are in 4.5 kg?

- a) 45 g
- b) 450 g
- c) 4,500 g
- d) 45,000 g

20. Which unit would you use to measure the length of a pencil?

- a) Kilometres
 - b) Metres
 - c) Centimetres
 - d) Millilitres
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Statistics & Probability

21. If a die is rolled, what is the probability of rolling an even number?

- a) $\frac{1}{2}$
 - b) $\frac{1}{3}$
 - c) $\frac{2}{3}$
 - d) $\frac{1}{6}$
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22. Which of the following shows data in order?

- a) Line graph
 - b) Pictograph
 - c) Bar graph
 - d) Table
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23. Which of these outcomes is most likely when tossing a coin?

- a) Always heads
 - b) Always tails
 - c) Heads or tails equally likely
 - d) Never lands
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24. If the mode of test scores is 8, what does that mean?

- a) 8 is the average score
 - b) 8 occurred most often
 - c) 8 is the highest score
 - d) 8 is the lowest score
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25. Which of the following is a categorical variable?

- a) Age
 - b) Height
 - c) Colour of eyes
 - d) Weight
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More Number Problems

26. $600 \div 12 = ?$

- a) 30
 - b) 40
 - c) 50
 - d) 60
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27. Which is greater: $\frac{3}{4}$ or $\frac{7}{10}$?

- a) $\frac{3}{4}$
 - b) $\frac{7}{10}$
 - c) Both are equal
 - d) Cannot compare
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28. $0.9 \times 100 = ?$

- a) 9
 - b) 90
 - c) 900
 - d) 9,000
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29. Which is an odd number?

- a) 324
 - b) 612
 - c) 415
 - d) 880
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30. Which number has the digit 7 in the hundreds place?

- a) 7,405
- b) 57,208
- c) 37,561
- d) 4,750

Word Problems

31. A packet has 48 chocolates. If they are shared equally among 6 friends, how many does each get?

- a) 6
 - b) 8
 - c) 12
 - d) 16
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32. A rope is 5.6 m long. If cut into 2 equal pieces, how long is each?

- a) 2.6 m
 - b) 2.7 m
 - c) 2.8 m
 - d) 2.9 m
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33. A train travels 60 km in 1 hour. How far will it travel in 3 hours?

- a) 120 km
 - b) 150 km
 - c) 180 km
 - d) 200 km
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34. A shop sells 3 apples for \$2. How much for 9 apples?

- a) \$4
 - b) \$5
 - c) \$6
 - d) \$7
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35. A farmer has 124 hens. If 28 are sold, how many are left?

- a) 96
 - b) 98
 - c) 100
 - d) 102
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More Mixed Practice

36. Which number is between 4.5 and 5?

- a) 4.2
 - b) 4.7
 - c) 5.1
 - d) 5.5
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37. 25% of 200 = ?

- a) 25
 - b) 40
 - c) 50
 - d) 100
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38. Which number is closest to 1,000?

- a) 987
 - b) 950
 - c) 1,050
 - d) 1,100
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39. The smallest 5-digit number is?

- a) 9,999
 - b) 10,000
 - c) 11,111
 - d) 1,000
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40. Which Roman numeral is 40?

- a) XL
 - b) LX
 - c) XC
 - d) XX
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Challenge Questions

41. Which is a square number?

- a) 14
 - b) 25
 - c) 30
 - d) 35
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42. $4^3 = ?$

- a) 8
 - b) 12
 - c) 16
 - d) 64
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43. Which fraction is the smallest?

- a) $\frac{2}{3}$
 - b) $\frac{3}{5}$
 - c) $\frac{1}{2}$
 - d) $\frac{5}{8}$
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44. Which is the perimeter of a square of side 9 cm?

- a) 18 cm
 - b) 27 cm
 - c) 36 cm
 - d) 81 cm
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45. Which angle is greater than a straight angle?

- a) Acute
 - b) Right
 - c) Obtuse
 - d) Reflex
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46. How many days are in 12 weeks?

- a) 70

- b) 84
 - c) 90
 - d) 100
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47. The mean of 5, 10, 15, 20, and 25 is?

- a) 10
 - b) 12
 - c) 15
 - d) 20
-

48. Which fraction is equal to 0.2?

- a) $\frac{1}{4}$
 - b) $\frac{1}{5}$
 - c) $\frac{2}{5}$
 - d) $\frac{2}{10}$
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49. What is the volume of a cube with side 4 cm?

- a) 16 cm^3
 - b) 32 cm^3
 - c) 64 cm^3
 - d) 128 cm^3
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50. What is $\frac{3}{8}$ of 64?

- a) 16
- b) 18
- c) 20
- d) 24