# Mathematics Foundations Challenge

Basic Math · Practice Test · 20 Questions

**1. What is the product of 14 and 12?**

A) 156
B) 168
C) 172
D) 144

**2. Which of the following is a prime number?**

A) 15
B) 21
C) 29
D) 33

**3. How many degrees are in a straight angle?**

A) 90
B) 180
C) 270
D) 360

**4. What is 25% of 200?**

A) 25
B) 40
C) 50
D) 75

**5. Which number is the result of 7 squared?**

A) 14
B) 42
C) 47
D) 49

**6. What is the perimeter of a rectangle with a length of 8cm and a width of 5cm?**

A) 13cm
B) 26cm
C) 40cm
D) 18cm

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**7. If a triangle has two equal sides, what is it called?**

A) Scalene
B) Equilateral
C) Isosceles
D) Right

**8. What is the value of 15 minus negative 5?**

A) 10
B) 20
C) -10
D) -20

**9. How many sides does a heptagon have?**

A) 5
B) 6
C) 7
D) 8

**10. What is the smallest common multiple of 4 and 6?**

A) 8
B) 10
C) 12
D) 24

**11. What is the result of 10 to the power of 3?**

A) 30
B) 100
C) 1000
D) 3000

**12. Which fraction is equivalent to 0.5?**

A) 1/2
B) 1/3
C) 1/4
D) 2/5

**13. How many millimetres are in 3 centimetres?**

A) 3
B) 30
C) 300
D) 3000

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**14. What is the square root of 81?**

A) 7
B) 8
C) 9
D) 11

**15. Which number represents the 'identity property' of multiplication?**

A) 0
B) 1
C) 2
D) 10

**16. What is the sum of the interior angles of a triangle?**

A) 90
B) 180
C) 270
D) 360

**17. How many grams are in 2.5 kilograms?**

A) 25
B) 250
C) 2500
D) 25000

**18. If a clock shows 3:30, what type of angle is formed by the hands?**

A) Acute
B) Obtuse
C) Right
D) Reflex

**19. What is the quotient of 144 divided by 12?**

A) 10
B) 11
C) 12
D) 14

**20. Which of these numbers is a composite number?**

A) 2
B) 13
C) 17
D) 21

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