

1. What is $47 + 68$?

- a) 105
- b) 115
- c) 125
- d) 135

2. Subtract 29 from 102.

- a) 73
- b) 83
- c) 93
- d) 113

3. Multiply 7 by 13.

- a) 81
- b) 91
- c) 101
- d) 111

4. Divide 144 by 12.

- a) 10
- b) 11
- c)

it should be aimed at year 6

Of course! Here is a 30-question multiple-choice mental math quiz designed specifically for Year 6 students (ages 10-11). The questions cover key topics in the UK

National Curriculum, including the four operations, fractions, decimals, percentages, time, money, and basic geometry.

The answers are provided on a separate sheet at the end.

Year 6 Mental Math Challenge

Instructions: Choose the best answer for each question. Try to work them out in your head!

1. What is $127 + 238$?

- a) 355
- b) 365
- c) 355
- d) 375

2. Calculate $503 - 187$.

- a) 316
- b) 324
- c) 326
- d) 336

3. Multiply 14 by 6.

- a) 74
- b) 80
- c) 84
- d) 90

4. Divide 132 by 11.

- a) 11
- b) 12
- c) 13
- d) 14

5. What is $\frac{3}{4}$ of 88?

- a) 22
- b) 44
- c) 66
- d) 77

6. Which of these is equivalent to 0.6?

- a) $\frac{1}{60}$
- b) $\frac{3}{5}$
- c) $\frac{6}{100}$
- d) $\frac{4}{7}$

7. What is 25% of £80?

- a) £15
- b) £20
- c) £25
- d) £30

8. Round 5.783 to the nearest tenth.

- a) 5.7
- b) 5.78

c) 5.8

d) 5.9

9. A movie starts at 14:35 and lasts for 1 hour 50 minutes. What time does it finish?

a) 16:15

b) 16:25

c) 16:35

d) 4:25 PM

10. If 6 bags of sweets cost £4.50, how much does 1 bag cost?

a) 65p

b) 70p

c) 75p

d) 80p

11. What is the product of 9 and 7?

a) 16

b) 54

c) 63

d) 72

12. What is the difference between 202 and 458?

a) 244

b) 256

c) 266

d) 344

13. Which number is a factor of 36?

- a) 5
- b) 8
- c) 12
- d) 14

14. What is the value of 5^3 ?

- a) 15
- b) 25
- c) 100
- d) 125

15. A packet of biscuits has 24 biscuits. How many biscuits are in 5 packets?

- a) 100
- b) 110
- c) 120
- d) 240

16. What is the sum of 5.4, 2.71, and 3.0?

- a) 10.11
- b) 11.01
- c) 11.11
- d) 11.21

17. A rectangle is 12cm long and 8cm wide. What is its perimeter?

- a) 20cm
- b) 40cm

c) 96cm

d) 80cm

18. What is the remainder when 57 is divided by 8?

a) 1

b) 2

c) 7

d) 9

19. Which calculation would you do first in: $4 + 7 \times 2$?

a) $4 + 7$

b) 7×2

c) 2×4

d) 4×7

20. What is $10^2 - 8^2$?

a) 2

b) 4

c) 36

d) 164

21. A box weighs 2.45kg. What is the weight of 10 of these boxes?

a) 0.245kg

b) 24.5kg

c) 245kg

d) 2450kg

22. A book has 250 pages. If Sarah reads 40% of it, how many pages has she read?

- a) 40
- b) 100
- c) 110
- d) 150

23. What is the next number in the sequence: 7, 14, 21, 28, __ ?

- a) 30
- b) 35
- c) 42
- d) 49

24. A triangle has a base of 10cm and a height of 8cm. What is its area?

- a) 18 cm^2
- b) 40 cm^2
- c) 80 cm^2
- d) 160 cm^2

25. If $a = 6$, what is the value of $4a + 7$?

- a) 17
- b) 31
- c) 37
- d) 47

26. A bus can carry 52 passengers. How many buses are needed for 310 passengers?

- a) 5
- b) 6

c) 7

d) 8

27. What is $\frac{1}{5} + \frac{2}{5}$?

a) $\frac{3}{10}$

b) $\frac{3}{5}$

c) $\frac{4}{10}$

d) $\frac{4}{5}$

28. A recipe for 4 people needs 600g of flour. How much is needed for 6 people?

a) 800g

b) 900g

c) 1000g

d) 1200g

29. Which of these numbers is a multiple of 8?

a) 46

b) 58

c) 64

d) 70

30. I think of a number, double it, and add 5. The answer is 27. What was my number?

a) 11

b) 12

c) 13

d) 14

