

Mathematics

Grade 6
Achievement Test
*Part A: Operations and
Numbers Sense*

2000

Grade 6 Achievement Test

Mathematics

Part A: Operations and Number Sense

Description

- There are 30 multiple-choice questions on this test.

This test was developed to be completed in 30 minutes; however, you may take an additional 10 minutes to complete the test.

Instructions

- You are **not** allowed to use manipulatives or calculators when answering the questions.
- Make sure that the number of the question on your answer sheet matches the number of the question you are answering.
- Read each question carefully and choose the **correct** or **best** answer.

Example

How many sides does a triangle have?

- A. 2
- B. 3
- C. 4
- D. 5

Answer Sheet

Ⓐ ● Ⓒ Ⓓ

- Use **only** an **HB** pencil to mark your answer.
- If you change your answer, **erase** your first mark **completely**.
- Try to answer every question.

You may write in this booklet, if you find it helpful. Make sure answers are placed on the answer sheet.

1. What is the sum of 11.1 and 99.9?
 - A. 9.0
 - B. 88.8
 - C. 111.0
 - D. 1 108.89

2. What is $83\,896 - 3\,109$?
 - A. 52 806
 - B. 70 797
 - C. 80 787
 - D. 87 005

3. The sum of three numbers is 100. The first two numbers are 33 and 38. What is the third number?
 - A. 5
 - B. 29
 - C. 71
 - D. 174

4. What is 67×0.01 ?
 - A. 0.67
 - B. 6.7
 - C. 670
 - D. 6 700

5. What is $5\,672 \div 8$?

- A. 790
- B. 709
- C. 97
- D. 79

6. If $\frac{10}{16} = \frac{5}{n}$, then n is equal to

- A. 2
- B. 8
- C. 11
- D. 32

7. A fraction that is equivalent to 20% is

- A. $\frac{2}{1}$
- B. $\frac{20}{10}$
- C. $\frac{2}{100}$
- D. $\frac{20}{100}$

8. A fraction that is equivalent to $\frac{9}{12}$ is
- A. $\frac{1}{3}$
 - B. $\frac{2}{3}$
 - C. $\frac{2}{4}$
 - D. $\frac{3}{4}$
9. A girl is paid \$8.50/h. How much does she earn in 7 h?
- A. \$90.00
 - B. \$63.00
 - C. \$59.50
 - D. \$15.50
10. What is the total cost of 5 items that are \$1.20 each?
- A. \$9.00
 - B. \$7.00
 - C. \$6.00
 - D. \$5.00
11. What is $74\,000\,000 + 84\,309$?
- A. 72 430 900
 - B. 73 915 691
 - C. 74 084 309
 - D. 74 843 090

12. The difference between 3 200 and 1 099 is
- A. 2 101
 - B. 2 211
 - C. 2 299
 - D. 4 299
13. What is 480×15 ?
- A. 288
 - B. 720
 - C. 2 880
 - D. 7 200
14. What is $364.8 \div 4$?
- A. 82.2
 - B. 91.2
 - C. 822
 - D. 912
15. The sum of two numbers is 12, and their product is 35. What are the two numbers?
- A. 5 and 7
 - B. 6 and 6
 - C. 8 and 4
 - D. 9 and 3

16. A percentage that is equivalent to $\frac{6}{10}$ is
- A. 0.6%
 - B. 1.6%
 - C. 6%
 - D. 60%
17. In kilometres, 538 m is equivalent to
- A. 0.538 km
 - B. 5.38 km
 - C. 53.8 km
 - D. 5 380 km
18. The difference between \$530.00 and \$237.93 is
- A. \$292.07
 - B. \$303.17
 - C. \$307.93
 - D. \$767.93
19. A cashier receives \$60.00 for an item that costs \$42.69. What is the change?
- A. \$17.31
 - B. \$22.69
 - C. \$57.31
 - D. \$62.69

20. If one popcorn ball costs 35¢, 12 will cost

- A. \$3.50
- B. \$3.85
- C. \$4.00
- D. \$4.20

21. What is $3.74 + 2.9 + 48.6 + 0.28$?

- A. 9.17
- B. 11.78
- C. 55.52
- D. 91.70

22. What is $389.6 - 78.32$?

- A. 467.98
- B. 467.92
- C. 311.32
- D. 311.28

23. What is 16×12 ?

- A. 192
- B. 172
- C. 48
- D. 28

24. What is $63.27 \div 3$?
- A. 21.09
 - B. 21.90
 - C. 24.12
 - D. 24.21
25. Rounded to the nearest whole number, 17.58 is
- A. 20
 - B. 18
 - C. 17.6
 - D. 17.58
26. The total number of seconds in $3\frac{1}{2}$ minutes is
- A. 105 s
 - B. 180 s
 - C. 210 s
 - D. 350 s
27. Rounded to the nearest hundred, 1 373.835 is
- A. 1 300
 - B. 1 400
 - C. 1 373.83
 - D. 1 373.84

28. What is $\$900.00 - \89.09 ?
- A. $\$789.91$
 - B. $\$810.91$
 - C. $\$910.09$
 - D. $\$989.09$
29. A prize of $\$102.00$ is shared by 6 people. How much does each person receive?
- A. $\$17.00$
 - B. $\$96.00$
 - C. $\$108.00$
 - D. $\$612.00$
30. How many quarters are there in $\$8.50$?
- A. 34 quarters
 - B. 85 quarters
 - C. 170 quarters
 - D. 850 quarters

Key
Grade 6 Mathematics, Part A
Achievement Test 2000

Question	Key	Process
1	C	addition/subtraction
2	C	addition/subtraction
3	B	addition/subtraction
4	A	multiplication/division
5	B	multiplication/division
6	B	number relationships
7	D	number relationships
8	D	number relationships
9	C	connecting experiences
10	C	connecting experiences
11	C	addition/subtraction
12	A	addition/subtraction
13	D	multiplication/division
14	B	multiplication/division
15	A	multiplication/division
16	D	number relationships
17	A	number relationships
18	A	connecting experiences
19	A	connecting experiences
20	D	connecting experiences
21	C	addition/subtraction
22	D	addition/subtraction
23	A	multiplication/division
24	A	multiplication/division
25	B	number relationships
26	C	number relationships
27	B	number relationships
28	B	connecting experiences
29	A	connecting experiences
30	A	connecting experiences