Assessment Test for Singapore Primary Mathematics 3A
This test covers material taught in Primary Mathematics 3A
(http://www.singaporemath.com/)

---

1. Fill in the blanks.

   (a) Nine thousand nineteen in standard form is _____. [1]

   (b) In 4,598, the digit _____ is in the hundreds place. [1]

   (c) 4,900 is _____ more than 4890. [1]

   (d) The difference between 700 and 1,000 is _____. [1]

   (e) The sum of 400 and 800 is _____. [1]

   (f) When 30 is divided by 4, the quotient is _____ and [1]

   the remainder is _____.

---

2. Complete the following regular number patterns: [1]

   4,623; 4,723; 4,823; _____; _____; _____

---

3. Write these numbers in order, beginning with the smallest: [2]

   862   8,662   6,862   6,826

   _____   _____   _____   _____

---

4. (a) Round 5,190 to the nearest thousand. _____ [1]

   (b) Round 8,485 to the nearest ten. _____ [1]

   (c) Round 3,968 to the nearest hundred. _____ [1]

5.　Solve using mental math:

(a)　250 + 70 = _____　　　　(b)　348 + 98 = _____　　[2]

(c)　580 + 95 = _____　　　　(d)　84 − 39 = _____　　[2]

(e)　230 − 50 = _____　　　　(f)　892 − 97 = _____　　[2]

(g)　300 − 189 = _____　　　　(h)　1,000 − 372 = _____　　[2]

6.　Estimate the value of 896 + 438 by rounding each number to the nearest hundred. Then find the exact sum.

(a)　896 + 438 is about _____.　　[1]

(b)　896 + 438 is exactly _____.　　[1]

7.　Estimate the value of 762 − 334 by rounding each number to the nearest hundred. Then find the exact difference.

(a)　762 − 334 is about _____.　　[1]

(b)　762 − 334 is exactly _____.　　[1]

8. Write an equation and solve. Draw a picture if you need to.

   (a)   15 more than _____ is 48.   [2]

   (b)   _____ less than 132 than is 80.   [2]

   (c)   120 less than _____ is 300.   [2]

9. The difference between two numbers is 456. If the larger number is   [2]
   854, what is the smaller number?

10. There were 156 boys and girls at a park. 97 of them are girls. How   [2]
    many more girls than boys were there?

11. Solve:

(a)   1, 3 4 6
    +   1 9 4   (b)   2, 8 2 4
    + 3, 5 8 6   [2]

(c)   7, 0 3 2
    − 5, 2 6 0   (d)   9, 7 1 2
    − 5, 4 5 6   [2]

12. A computer costs \$1,430. A microwave oven is \$850 cheaper than the computer. Mr. Max bought both the computer and the microwave oven. How much did he spend?   [2]

13.   [2]

$\bigcirc + \bigcirc + \bigcirc = 21$

$\star + \star + \star + \star = 36$

Find the value of $\star \times \bigcirc$. _____.

14. Write >, <, or = in each $\bigcirc$.

(a)   4 x 9 $\bigcirc$ 136 − 88   (b)   0 ÷ 6 $\bigcirc$ 6 x 0   [2]

(c)   5 x 9 $\bigcirc$ 10 x 4   (d)   2 x 3 $\bigcirc$ 35 ÷ 5   [2]

(e)   (3 x 2) + (4 x 2) $\bigcirc$ 6 x 2   [1]

(f)   8 x 4 $\bigcirc$ (3 x 4) + (5 x 4)   [1]

15. Solve:

(a) 7 x 6 =   (b) 8 x 7 =   [2]

(c) 9 x 8 =   (d) 64 ÷ 8 =   [2]

(e) 49 ÷ 7 =   (f) 36 ÷ 9 =   [2]

(i) 600 x 5 =   (j) 4,000 ÷ 8 =   [2]

16. Write +, −, x, or ÷ in each ◯

(a) 35 ◯ 5 = 40   (b) 7 x 9 = 70 ◯ 7   [2]

(c) 2,400 ◯ 6 = 400   (d) 1 ◯ 432 = 432   [2]

17. Fill in the blanks with a number to make each of the following true.

(a) 40 ÷ _____ = 4 x 2   (b) 9 x 0 = _____ x 6   [2]

(c) _____ x 5 = 1,000   (d) 25 x 7 = 20 x 7 + _____ x 7   [2]

18. Which of the following is the best estimate for the value of 587 x 8? [1]
(Do not find the actual answer.)

            580   4,000   4,800   5,000

19. Which of the following is the best expression to use in order to   [1]
estimate the value of 4,387 ÷ 7?

        4,000 ÷ 7   4,300 ÷ 7   4,200 ÷ 7   4,400 ÷ 7

20.	A number is divided by 4. The quotient is 3 and the remainder is 2. Is the number even or odd?	[1]

21. Multiply:

    (a)   2 8 1
         x   4   (b)   8 6 4
                                 x   8   [2]

    (c)   6 0 6
         x   7   (d)   3 8 5
                                 x   9   [2]

22. Divide. Give the quotient and remainder if there is one.
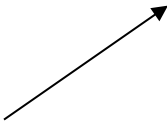
    (a) $4\overline{)99}$ (b) $8\overline{)488}$ [2]

    (c) $7\overline{)813}$ (d) $9\overline{)707}$ [2]

23. Fill in the boxes to complete the equations you would use to check your answer to 22(d) above. [1]

☐	☐
x 9	+ 5
☐	☐

24. There are 36 monkeys in a zoo. There are 6 times as many monkeys as tigers. How many more monkeys are there than tigers? [3]
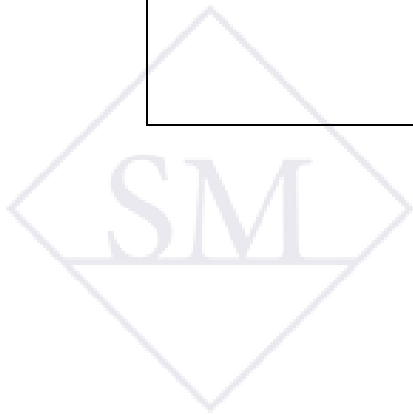
25. Mrs. Merry had 197 stickers. She gave 7 stickers to each of the students in her class. She had fewer than 7 stickers left over. How many students does she have? [3]

26. A fruit seller had 936 oranges. 16 of them were rotten. He packed the rest into boxes of 8. How many boxes of oranges were there? [3]

27. What measuring unit would you use to measure the following? Fill in the blanks with centimeter, meter, or kilometer.

   (a) The width of a piece of paper. _____ [1]

   (b) The length of a swimming pool. _____ [1]

28. What measuring unit would you use to measure the following? Fill in the blanks with inch, foot, yard, or mile.

   (a) The length of the Columbia River. _____ [1]

   (b) The length of your foot. _____ [1]

29. Write >, <, or = in each ◯

   (a) 3 km 6 m ◯ 3,600 m   (b) 1 mile ◯ 1 km   [2]

   (c) 4,070 cm ◯ 4 m 70 cm   (d) 1 yd 2 ft ◯ 60 in.   [2]

30. Fill in the blanks.
   (a) 5 m – 3 m 45 cm = _____ m _____ cm   [1]

   (b) 6 ft 7 in. + 2 ft 10 in. = _____ ft _____ in.   [1]

31. The length of board A is 3 ft 4 inches. The length of board B is 45 inches. Which is longer? How much longer? [2]

32. String A is 85 cm long. String B is twice as long. String C is 30 cm shorter than string B. How long is string C? Give your answer in meters and centimeters. [3]

Answer Key

1. (a) 9,019   (b) 5
   (c) 10   (d) 300
   (e) 1,200   (f) 7; 2

2. 4,923; 5,023; 5,123

3. 862; 6,826; 6,862; 8,662

4. (a) 5,000
   (b) 8,490
   (c) 4,000

5. (a) 320   (b) 446
   (c) 675   (d) 45
   (e) 180   (f) 795
   (g) 111   (h) 628

6. (a) 1,300
   (b) 1,334

7. (a) 500
   (b) 428

8. (a) 33
   (b) 52
   (c) 420

9. 398

10. 38

11. (a) 1,540   (b) 6,410
    (c) 1,772   (d) 4,256

12. $2,010

13. 63

14. (a) <   (b) =
    (c) >   (d) <
    (e) >
    (f) =

15. (a) 42   (b) 56
    (c) 72   (d) 8
    (e) 7   (f) 4
    (g) 3,000   (h) 500

16. (a) +   (b) −
    (c) ÷   (d) x

17. (a) 5   (b) 0
    (c) 200   (d) 5

18. 4,800

19. 4,200 ÷ 7

20. even

21. (a) 1,124   (b) 6,912
    (c) 4,242   (d) 3,465

22. (a) 24 R 3   (b) 61
    (c) 116 R 1   (d) 78 R 5

23.
$$\begin{array}{r} 78 \\ \times\ \ 9 \\ \hline 702 \end{array} \qquad \begin{array}{r} 702 \\ +\ \ 5 \\ \hline 707 \end{array}$$

24. 30 more monkeys

25. 28

26. 115

27. (a) centimeter
    (b) meter

28. (a) mile
    (b) inch

29. (a) <   (b) <
    (c) >   (d) =

30. (a) 1 m 55 cm
    (b) 9 ft 5 in.

31. B, 5 in.

32. 1 m 40 cm