

Placement Test for Singapore Primary Mathematics 3A U.S. Edition

This test covers material taught in Primary Mathematics 3A, U.S. Edition
(<http://www.singaporemath.com/>)

1. Fill in the blanks.
- (a) 4930 is _____ less than 5000. [2]
 - (b) 10,436 is 1000 more than _____. [2]
 - (c) In 3586, the _____ is in the hundreds place. [2]
 - (d) The difference between 770 and 1000 is _____. [2]
 - (e) The sum of 3402 and 800 is _____. [2]
 - (f) $6000 + \underline{\hspace{2cm}} + 3 = 6803$ [2]
 - (g) Nine thousand nineteen written in numerals is _____. [2]
 - (h) When 286 is divided by 4, the quotient is _____ and [2]
the remainder is _____.
2. The difference between two numbers is 456. If the larger number is 854, what is the smaller number? [5]

3. A computer costs \$1400. A microwave is \$850 cheaper than the computer. Mr. Max bought both the computer and the microwave oven. How much did he pay? [5]

4. Solve:

(a)
$$\begin{array}{r} 1346 \\ + 194 \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 2824 \\ + 3586 \\ \hline \end{array}$$
 [4]

(c)
$$\begin{array}{r} 7032 \\ - 5260 \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 9712 \\ - 5456 \\ \hline \end{array}$$
 [4]

(e)
$$\begin{array}{r} \$35.90 \\ + \$23.85 \\ \hline \end{array}$$

(f)
$$\begin{array}{r} \$60.05 \\ - \$33.15 \\ \hline \end{array}$$
 [4]

5. Solve using mental math.

(a) $\$15.60 + \$14.75 =$ [2]

(b) $\$100 - \$53.80 =$ [2]

6. Multiply or divide:

(a) $7 \times 6 =$ (b) $54 \div 9 =$ [4]

(c) $9 \times 8 =$ (d) $64 \div 8 =$ [4]

7. [4]

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

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

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

8. Multiply:

(a)
$$\begin{array}{r} 281 \\ \times 4 \\ \hline \end{array}$$
 (b)
$$\begin{array}{r} 864 \\ \times 8 \\ \hline \end{array}$$
 [4]

(c)
$$\begin{array}{r} 306 \\ \times 7 \\ \hline \end{array}$$
 (d)
$$\begin{array}{r} 385 \\ \times 9 \\ \hline \end{array}$$
 [4]

9. Divide:

(a) $4 \overline{)99}$

(b) $8 \overline{)488}$

[4]

(c) $7 \overline{)803}$

(d) $9 \overline{)207}$

[4]

10. There are 36 monkeys in a zoo. There are 6 times as many monkeys as tigers. How many more monkeys are there than tigers?

[5]

11. 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.

(a) How many students did she have?

[3]

(b) How many stickers were left over?

[2]

12. A fruit seller had 1136 oranges. 16 of them were rotten. He packed the rest into boxes of 8. How many boxes of oranges were there? [5]

13. Mrs. Groucho earns \$2300 a month. She spends \$525 on food and \$1250 on other things. How much does she save a month? [5]

14. The total weight of 1 textbook and 9 notebooks is 975 g. The weight of the textbook is 300 g. If the notebooks are of the same weight, find the weight of each notebook. [5]

15. John weighs 64 lb. His brother weighs 16 lb less. Their father's weight is 2 times their total weight. What is their father's weight? [5]

Answer Key

1. (a) 70 (b) 9436
(c) 5 (d) 230
(e) 4202 (f) 800
(g) 9019 (h) 71; 2
2. 398
3. \$1950
4. (a) 1540 (b) 6410
(c) 1772 (d) 4256
(e) \$59.75 (f) \$26.90
5. (a) \$30.35 (b) \$46.20
6. (a) 42 (b) 6
(c) 72 (d) 8
7. 63
8. (a) 1124 (b) 6912
(c) 2142 (d) 3465
9. (a) 24 r3 (b) 61
(c) 114 r5 (d) 23
10. 30 more monkeys
11. (a) 28 students (b) 1 stick
12. 140 boxes
13. \$525
14. 75 g
15. 224 lb