

Summer Math Packet – Incoming Fourth Grader

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) $250 + 70 = \underline{\hspace{2cm}}$ (b) $348 + 98 = \underline{\hspace{2cm}}$ [2]

(c) $580 + 95 = \underline{\hspace{2cm}}$ (d) $84 - 39 = \underline{\hspace{2cm}}$ [2]

(e) $230 - 50 = \underline{\hspace{2cm}}$ (f) $892 - 97 = \underline{\hspace{2cm}}$ [2]

(g) $300 - 189 = \underline{\hspace{2cm}}$ (h) $1,000 - 372 = \underline{\hspace{2cm}}$ [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 $\underline{\hspace{2cm}}$. [1]

(b) $896 + 438$ is exactly $\underline{\hspace{2cm}}$. [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 $\underline{\hspace{2cm}}$. [1]

(b) $762 - 334$ is exactly $\underline{\hspace{2cm}}$. [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 _____ than is 300. [2]

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

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

11. Solve:

$$\begin{array}{r} (a) \quad 1, 3 \ 4 \ 6 \\ + \quad 1 \ 9 \ 4 \\ \hline \end{array}$$

$$\begin{array}{r} (b) \quad 2, 8 \ 2 \ 4 \\ + \quad 3, 5 \ 8 \ 6 \\ \hline \end{array} \quad [2]$$

$$\begin{array}{r} (c) \quad 7, 0 \ 3 \ 2 \\ - \quad 5, 2 \ 6 \ 0 \\ \hline \end{array}$$

$$\begin{array}{r} (d) \quad 9, 7 \ 1 \ 2 \\ - \quad 5, 4 \ 5 \ 6 \\ \hline \end{array} \quad [2]$$

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 pay? [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 .

$$(a) \quad 4 \times 9 \bigcirc 136 - 88 \quad (b) \quad 0 \div 6 \bigcirc 6 \times 0 \quad [2]$$

$$(c) \quad 5 \times 9 \bigcirc 10 \times 4 \quad (d) \quad 2 \times 3 \bigcirc 35 \div 5 \quad [2]$$

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

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

15. Solve:

(a) $7 \times 6 =$ (b) $8 \times 7 =$ [2]

(c) $9 \times 8 =$ (d) $64 \div 8 =$ [2]

(e) $49 \div 7 =$ (f) $36 \div 9 =$ [2]

(i) $600 \times 5 =$ (j) $4,000 \div 8 =$ [2]

16. Write +, -, x, or \div in each \bigcirc

(a) $35 \bigcirc 5 = 40$ (b) $7 \times 9 = 70 \bigcirc 7$ [2]

(c) $2,400 \bigcirc 6 = 400$ (d) $1 \bigcirc 432 = 432$ [2]

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

(a) $40 \div \underline{\quad} = 4 \times 2$ (b) $9 \times 0 = \underline{\quad} \times 6$ [2]

(c) $\underline{\quad} \times 5 = 1,000$ (d) $25 \times 7 = 20 \times 7 + \underline{\quad} \times 7$ [2]

18. Which of the following is the best estimate for the value of 587×8 ? [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 estimate the value of $4,387 \div 7$? [1]

$4,000 \div 7$ $4,300 \div 7$ $4,200 \div 7$ $4,400 \div 7$

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

21. Multiply:

$$\begin{array}{r} (a) \quad 281 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} (b) \quad 864 \\ \times \quad 8 \\ \hline \end{array} \quad [2]$$

$$\begin{array}{r} (c) \quad 606 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} (d) \quad 385 \\ \times \quad 9 \\ \hline \end{array} \quad [2]$$

22. Divide. Give the quotient and remainder if there is one.

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

$$(b) \quad 8 \overline{)488} \quad [2]$$

$$(c) \quad 7 \overline{)813}$$

$$(d) \quad 9 \overline{)707} \quad [2]$$

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

	x		9	→	

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]