

4.	(a) Round 5190 to the nearest thousand. _____	[1]	
	(b) Round 8485 to the nearest ten. _____	[1]	
	(c) Round 3968 to the nearest hundred. _____	[1]	
5.	Solve using mental math:		
	(a) $58 + 35 =$ _____	(b) $6877 + 8 =$ _____	[2]
	(c) $2348 + 3510 =$ _____	(d) $3700 + 600 =$ _____	[2]
	(e) $80 - 39 =$ _____	(f) $73 - 28 =$ _____	[2]
	(g) $1623 - 4 =$ _____	(h) $7300 - 900 =$ _____	[2]
6.	Estimate the value of $896 + 438$ by rounding each number to the nearest hundred. Then find the exact answer.		
	(a) $896 + 438$ is about _____.	[1]	
	(b) $896 + 438$ is exactly _____.	[1]	
7.	Estimate, and then find the value of $762 - 334$.		
	(a) $762 - 334$ is about _____.	[1]	
	(b) $762 - 334$ is exactly _____.	[1]	
8.	The difference between two numbers is 456. If the larger number is 854, what is the smaller number?	[3]	

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

10. Solve:

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

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

[2]

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

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

[2]

11. [2]

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

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

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

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

$$(a) 6405 \bigcirc 6518$$

$$(b) 4462 + 1437 \bigcirc 1200 \times 4$$
 [2]

$$(c) 0 \div 6 \bigcirc 6 \times 0$$

$$(d) 40 \times 3 \times 68 \bigcirc 68 \times 120$$
 [2]

13. Solve using mental math:

(a) $7 \times 6 =$ (b) 8×7 [2]

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

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

(g) $4 \times 30 =$ (h) $600 \times 5 =$ [2]

(i) $360 \div 6 =$ (j) $4000 \div 8 =$ [2]

(k) $50 \times 6 \times 2 =$ (l) $6 \times 9 \times 5 =$ [2]

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

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

(c) $2400 \bigcirc 6 = 400$ (d) $1 \bigcirc 432 = 432$ [2]

15. Fill in the blanks with a number to make the following true.

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

(c) $\underline{\quad} \times 5 = 1000$ (d) $25 \times 38 \times 7 = 7 \times 25 \times \underline{\quad}$ [2]

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

580 4000 4800 5000

17. Which of the following is the best expression to use in order to estimate the value of $4387 \div 7$? [1]

$4000 \div 7$ $4300 \div 7$ $4200 \div 7$ $4400 \div 7$

18. Multiply:

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

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

[2]

$$\begin{array}{r} (c) \quad 1306 \\ \times \quad 7 \\ \hline \end{array}$$

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

[2]

19. Divide:

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

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

[2]

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

$$(d) \quad 9 \overline{)7307}$$

[2]

20. Fill in the boxes to complete the equations you would use to check your answer to 19(d) above. [1]

$$\begin{array}{r} \boxed{} \\ \times \quad 9 \\ \hline \boxed{} \end{array} \quad \nearrow \quad \begin{array}{r} \boxed{} \\ + \quad 8 \\ \hline \boxed{} \end{array}$$

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21. 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]

22. 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? [2]

23. 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? [3]

24. Mrs. Groucho earns \$2300 a month. She spends \$525 on food and \$1250 on other things. How much does she save a month? [3]

25. 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? [3]

26. Sarah rolls two regular, 6-sided dice and adds the numbers. Fill in the blanks with likely, unlikely, certain, or impossible.



(a) It is _____ that she will get a sum less than 20. [1]

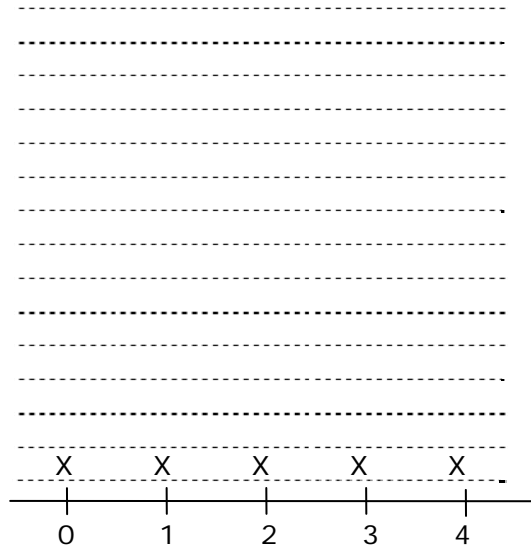
(b) It is _____ that she will get a 1-digit sum. [1]

(b) It is _____ that she will roll two sixes. [1]

(b) It is _____ that she will get a sum greater than 20. [1]

27. John did a survey of 30 families living in his neighborhood to find the number of computers each family had. He wrote the results as shown here. Create a tally chart from the data, and then complete the line plot. [2]

2	3	0	1	2	3
1	2	2	1	1	1
2	2	3	3	4	1
2	1	2	0	4	3
2	2	1	2	3	2



- (a) What is the most likely number of computers? _____ [1]
- (b) How many families had this number of computers? _____ [1]
- (c) What is the difference between the number of families that had 2 computers and the number that had 4? _____ [1]
- (d) Is it impossible for a family to have 0 computers? _____ [1]
- (e) Is it likely that a family has 4 computers? _____ [1]

