

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 18(d) above.

[1]

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

21. There are 36 monkeys in a zoo. There are 6 times as many monkeys as tigers. How many more monkey 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 a two regular, 6-sided dice and adds the numbers. Fill in the blanks with likely, unlikely, certain, or impossible.



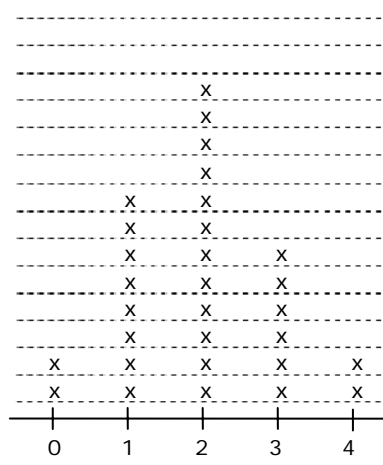
(a) It is _____ that she will get a sum less than 20. [1]

(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]

Answer Key

1. (a) 800 (b) $4000+900+80+7$
 (c) 9019 (d) 5; 500
 (e) 9306 (f) 10
 (g) 230 (g) 4202
 (h) 71; 2
2. 4923, 5023, 5123
3. 862, 6826, 6862, 8662
4. (a) 5000 (b) 8490
 (c) 4000
5. (a) 93 (b) 6885
 (c) 5858 (d) 4300
 (e) 41 (f) 45
 (g) 1619 (h) 6400
6. (a) 1300 (b) 1334
7. (a) 500 (b) 428
8. 398
9. \$1950
10. (a) 1540 (b) 6410
 (c) 1772 (d) 4256
11. 63
12. (a) < (b) >
 (c) = (d) =
13. (a) 42 (b) 56
 (c) 72 (d) 8
 (e) 7 (f) 4
 (g) 120 (h) 3000
 (i) 60 (j) 500
 (k) 600 (l) 270
14. (a) + (b) -
 (c) \div (d) \times
15. (a) 5 (b) 0
 (c) 200 (d) 38
16. 4800
17. $4200 \div 7$
18. (a) 1124 (b) 6912
 (c) 9142 (d) 3465
19. (a) 24 r3 (b) 61
 (c) 114 r5 (d) 811 r 8
20.
$$\begin{array}{r} 811 \\ \times 9 \\ \hline 7299 \end{array} \quad \begin{array}{r} 7299 \\ + 8 \\ \hline 7307 \end{array}$$
21. 30
22. 28
23. 140
24. \$525
25. 224 lb
26. (a) certain (b) likely
 (c) unlikely (d) impossible
27. 
- (a) 2 (b) 12
 (c) 10 (d) no
 (e) no

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