

Ms. Ermamarie

Ms. Mary Ann

Room 9

6<sup>th</sup> Grade

Due: Thursday

Oct. 11<sup>th</sup>

**Spelling List**

**Sixth Grade**

**certificate**

**solemn**

**inevitable**

**parcel**

**concession**

**transplant**

**feminine**

**mischief**

**tantalizing**

**mesmerize**

**banister**

**delicate**

**constantly**

**monsignor**

**auditorium**

6<sup>th</sup> Grade Language  
Worksheets to be sent  
home.

# Algebra: Use Mental Math to Solve Equations

Use mental math to solve each equation.

1.  $m + 15 = 20$  \_\_\_\_\_

2.  $w \div 4 = 8$  \_\_\_\_\_

3.  $37 - n = 35$  \_\_\_\_\_

4.  $4 \times v = 20$  \_\_\_\_\_

5.  $17 + f = 20$  \_\_\_\_\_

6.  $18 - k = 12$  \_\_\_\_\_

7.  $12 \times g = 60$  \_\_\_\_\_

8.  $h \div 7 = 7$  \_\_\_\_\_

9.  $y + 8 = 15$  \_\_\_\_\_

10.  $g \div 8 = 6$  \_\_\_\_\_

11.  $20 \times c = 1,000$  \_\_\_\_\_

12.  $j + 12 = 15$  \_\_\_\_\_

Determine whether each solution is reasonable.

Write *solution* or *not a solution*. Explain your reasoning.

13.  $150 - y = 120$ ;  $y = 30$

\_\_\_\_\_

14.  $512 + m = 832$ ;  $m = 122$

\_\_\_\_\_

15.  $560 \div n = 70$ ;  $n = 8$

\_\_\_\_\_

16.  $42d = 126$ ;  $d = 3$

\_\_\_\_\_

17.  $y - 423 = 200$ ;  $y = 723$

\_\_\_\_\_

18.  $50 + g = 93$ ;  $g = 53$

\_\_\_\_\_

## Test Prep

19. What is the solution to  $90 \div d = 15$ ?

A  $d = 75$

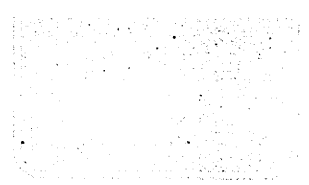
C  $d = 6$

B  $d = 8$

D NH

20. Explain how to find the solution for the equation  $15 + v = 32$ .

\_\_\_\_\_



## Problem-Solving Decisions: Reasonable Answers

Determine whether each answer is reasonable. Explain why or why not.

**Show Your Work**

1. There were 214 people in the first tour group, 198 in the second, 315 in the third, and 598 in the fourth. Dean estimated 1,200 people toured the museum altogether.
- \_\_\_\_\_

- 
2. Lin has a \$20 bill. Her groceries cost \$13.95. The clerk gave her \$6.05 in change.
- \_\_\_\_\_

- 
3. A tour group consisted of 492 people. They are traveling in buses that hold 50 people each. The group needed 12 buses.
- \_\_\_\_\_

- 
4. A box contains 376 stuffed animals representing the school mascot. Each one sells for \$3.98. If all the stuffed animals sell, the school will make \$160.
- \_\_\_\_\_

- 
5. Marcus paid for a bus ticket with a \$50 bill. He received change of \$15.35. His ticket cost \$25.65.
- \_\_\_\_\_

# Divisibility

Determine whether the first number listed is divisible by the second number.

- |                   |                   |                   |
|-------------------|-------------------|-------------------|
| 1. 84 9 _____     | 2. 127 3 _____    | 3. 1,700 5 _____  |
| 4. 753 3 _____    | 5. 256 6 _____    | 6. 824 4 _____    |
| 7. 5,240 10 _____ | 8. 7,512 6 _____  | 9. 8,905 5 _____  |
| 10. 4,026 4 _____ | 11. 5,924 6 _____ | 12. 9,423 9 _____ |

Complete this table. Place a check mark to show divisibility.

		54	180	912	2,700	5,605
13.	Divisible by 3	_____	_____	_____	_____	_____
14.	Divisible by 5	_____	_____	_____	_____	_____
15.	Divisible by 9	_____	_____	_____	_____	_____

Find the value of the missing digit that will make each resulting number divisible by 7.

- |                 |                   |                    |                     |
|-----------------|-------------------|--------------------|---------------------|
| 16. $3\square5$ | 17. $1,1\square6$ | 18. $41,0\square5$ | 19. $4\square9,852$ |
| _____           | _____             | _____              | _____               |

## Test Prep

20. The number 5,270 is *not* divisible by which number?
- |      |     |
|------|-----|
| A 10 | C 3 |
| B 5  | D 2 |

21. If Fred has 64 books to give away, could he split them evenly amongst four of his friends? Explain.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Transversals and Angles

Use the diagram to give two examples of each.

1. a pair of vertical angles

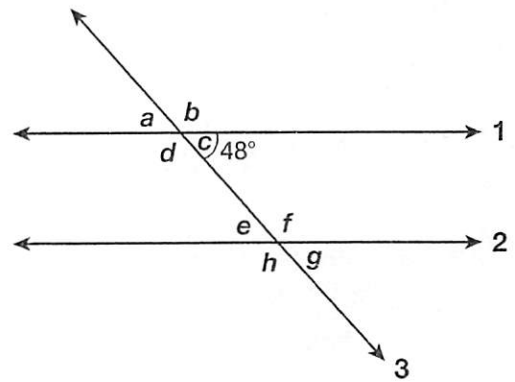
\_\_\_\_\_

2. a pair of alternate interior angles

\_\_\_\_\_

3. a pair of alternate exterior angles

\_\_\_\_\_



Find the measure of each angle.

4.  $\angle a$

\_\_\_\_\_

5.  $\angle b$

\_\_\_\_\_

6.  $\angle d$

\_\_\_\_\_

7.  $\angle e$

\_\_\_\_\_

8.  $\angle f$

\_\_\_\_\_

9.  $\angle g$

\_\_\_\_\_

### Test Prep

10.  $\angle T$  and  $\angle V$  are alternate interior angles. If  $m\angle T = 58^\circ$ , what is  $m\angle V$ ?

- A  $58^\circ$                       C  $122^\circ$   
 B  $32^\circ$                         D NH

11. Two lines that are not parallel are cut by a transversal.  $\angle A$  and  $\angle M$  are alternate exterior angles.  $m\angle A = 62^\circ$ . Can you find  $m\angle M$ ? Explain.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_