

SHOW ALL WORK to receive full credit.

Multiply. (2 points each)

1.
$$\begin{array}{r} 418 \\ \times 23 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 184 \\ \times 65 \\ \hline \end{array}$$

Complete the following domain/range tables. (6 points each)

3.

x	$y = 6x + 4$	y
8		
4		
2		
9		
5		
3		

4.

x	$y = 8x - 5$	y
1		
4		
7		
5		
3		
2		

5. **Mental Percents: Complete the following table.**
(1 point for each column – 6 points for the table.)

#	100%	50%	25%	10%	5%	1%
\$36						
280						

Answer the following questions using the chart above. (2 points each)

6. What is 40% of \$36? _____
7. What is 9% of 280? _____
8. What is 150% of \$36? _____

**Complete the following without the use of a table, but still think of the mental percents to help you.
(2 points each)**

9. What is 25% of 460? _____

10. What is 15% of 90? _____

Solve the following equations. (3 points each)

11. $7x = 42$

12. $34 = x + 15$

13. $5x + 7 = 42$

14. $6x = 2x + 36$

15. $2(c + 22) = 4(2c + 3) + 2c$

16. $2(3c + 5) + 2c + 3 = 5(c + 8)$

SHOW ALL WORK to receive full credit.

Multiply. (2 points each)

1.
$$\begin{array}{r} 328 \\ \times 41 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 593 \\ \times 56 \\ \hline \end{array}$$

Complete the following domain/range tables. (6 points each)

3.

x	$y = 3x + 7$	y
8		
4		
2		
9		
5		
3		

4.

x	$y = 7x - 2$	y
1		
4		
7		
5		
3		
2		

5. **Mental Percents: Complete the following table.**
(1 point for each column – 6 points for the table.)

#	100%	50%	25%	10%	5%	1%
320						
\$500						

Answer the following questions using the chart above. (2 points each)

6. What is 35% of \$500? _____

7. What is 12% of 320? _____

8. What is 125% of \$500? _____

**Complete the following without the use of a table, but still think of the mental percents to help you.
(2 points each)**

9. What is 85% of 640? _____

10. What is 40% of 360? _____

Solve the following equations. (3 points each)

11. $9x = 54$

12. $43 = x + 8$

13. $11x + 7 = 62$

14. $8x = 4x + 52$

15. $3(c + 14) + 3 = 2(2c + 5) + 6c$

16. $5(3c + 4) + 4c + 5 = 8(2c + 5)$