

SHOW ALL WORK to receive full credit.

Multiply or divide. (2 points each)

1.
$$\begin{array}{r} 623 \\ \times 14 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 371 \\ \times 47 \\ \hline \end{array}$$

3. $8 \overline{)123}$

4. $2 \overline{)354}$

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

5.

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

6.

x	$y = 9x - 6$	y
9		
4		
7		
5		
3		
2		

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

#	100%	50%	25%	10%	5%	1%
\$16.00						
780						

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

8. What is 70% of \$16.00? _____

9. What is 3% of 780? _____

10. What is 250% of \$16.00? _____

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

11. What is 50% of 218? _____

12. What is 35% of 64? _____

13. What is 95% of \$80.00 _____

Solve the following equations. (3 points each)

14. $8x = 72$

15. $81 = x + 9$

16. $4(2c + 3) + 3 = 2(3c + 10) + 11$

17. $2(5c + 6) + 2c + 7 = 3(c + 17) + 4$

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Multiply or divide. (2 points each)

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

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

3. $5 \overline{)456}$

4. $2 \overline{)516}$

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

5.

x	$y = 8x + 1$	y
8		
4		
2		
9		
5		
3		

6.

x	$y = 2x - 3$	y
9		
4		
7		
5		
3		
2		

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

#	100%	50%	25%	10%	5%	1%
\$ 12.00						
560						

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

8. What is 80% of \$12.00? _____

9. What is 4% of 560? _____

10. What is 200% of \$12.00? _____

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

11. What is 25% of 340? _____

12. What is 15% of 200? _____

13. What is 60% of \$40.00 _____

Solve the following equations. (3 points each)

14. $7x = 56$

15. $65 = x + 18$

16. $2(c + 22) = 4(2c + 3) + 2c$

17. $2(3c + 5) + 2c + 3 = 5(c + 8)$

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Multiply or divide. (2 points each)

1.
$$\begin{array}{r} 678 \\ \times 43 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 594 \\ \times 63 \\ \hline \end{array}$$

3. $8 \overline{)4296}$

4. $3 \overline{)21913}$

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

5.

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

6.

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

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

#	100%	50%	25%	10%	5%	1%
\$360.00						
330						

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

8. What is 20% of \$360.00? _____

9. What is 8% of 330? _____

10. What is 80% of \$360.00? _____

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

11. What is 25% of 90? _____

12. What is 15% of 160? _____

13. What is 20% of \$88.00 _____

Solve the following equations. (3 points each)

14. $\frac{6}{x} = \frac{5}{15}$

15. $2x + 28 = 6x + 12$

16. $4(x + 9) = 8(x + 3)$

17. $3(4c + 7) + 5c = 5(2c + 9) + 4 + 5c$