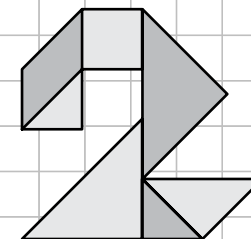




Term 1 Week 8



36 Complete.

A		
Input		Output
1	$\rightarrow \div 12 \rightarrow$	
12		
36		
120		
252		

B		
Input		Output
8	$\rightarrow \times \frac{1}{4} \rightarrow$	
12		
28		
80		
100		

C		
Input		Output
6	$\rightarrow - 20 \rightarrow$	
8		
12		
20		
84		

37 Complete.

- $20 + 10 + 30 = \underline{\hspace{2cm}}$
- $2 \times 20 + 2 \times 10 + 2 \times 30 = \underline{\hspace{2cm}}$
- $2 \times (20 + 10 + 30) = \underline{\hspace{2cm}}$
- $20 \times 20 = \underline{\hspace{2cm}}$
- $20 \times 10 \times 30 = \underline{\hspace{2cm}}$
- $2 \times 20 \times 10 \times 30 = \underline{\hspace{2cm}}$
- $10 \times 10 + 20 \times 20 = \underline{\hspace{2cm}}$
- $20(10 + 30) = \underline{\hspace{2cm}}$
- $10(20 + 30) + 30(20 + 10) = \underline{\hspace{2cm}}$
- $\frac{2 \times 30}{10} = \underline{\hspace{2cm}}$
- $\frac{2 \times 30}{3 \times 10} = \underline{\hspace{2cm}}$
- $3(2 \times 20 + 3 \times 10 + 4 \times 30) = \underline{\hspace{2cm}}$
- $5 \times 20 - 2 \times 10 = \underline{\hspace{2cm}}$
- $3 \times 30 - 2 \times 20 - 10 = \underline{\hspace{2cm}}$
- $(20 + 10)(20 + 30) = \underline{\hspace{2cm}}$
- $3 \times 20 \times (-10) = \underline{\hspace{2cm}}$

38 Complete.

- $5(4 + 3) = \underline{\hspace{2cm}}$
- $5 \times 4 + 5 \times 3 = \underline{\hspace{2cm}}$
- $3 \times 4 + 4 + 5 = \underline{\hspace{2cm}}$
- $8 \times 5 - 5 \times 8 = \underline{\hspace{2cm}}$
- $6 \times 4 - 2 \times 4 \times (3 + 4 \times 5) = \underline{\hspace{2cm}}$
- $2 \times 4 + 2 \times 5 + 6 = \underline{\hspace{2cm}}$
- $4 \times 5 + 5 \times 6 + 4 \times 6 = \underline{\hspace{2cm}}$
- $4 \times 5 \times 6 + 2 \times 4 + 5 = \underline{\hspace{2cm}}$
- $(4 + 5)(5 + 6) = \underline{\hspace{2cm}}$
- $(4 + 5)(4 + 5) = \underline{\hspace{2cm}}$
- $(4 + 5)^2 = \underline{\hspace{2cm}}$
- $4^2 + 2 \times 4 \times 5 + 5^2 = \underline{\hspace{2cm}}$
- $4(5 - 6) = \underline{\hspace{2cm}}$
- $4 \times 5 - 4 \times 6 = \underline{\hspace{2cm}}$
- $(4 + 6)(4 - 6) = \underline{\hspace{2cm}}$
- $4^2 - 6^2 = \underline{\hspace{2cm}}$
- $4^2 + 6^2 = \underline{\hspace{2cm}}$
- $(4 + 6)^2 = \underline{\hspace{2cm}}$
- $4^2 + 6 \times 4 + 4 \times (-6) + 6 \times (-6) = \underline{\hspace{2cm}}$
- $4(5 + 6) + 5(5 + 6) = \underline{\hspace{2cm}}$

39 Circle the term(s) that are like the first term in each row. Add the like terms together.

- $5x$ $2x$ $5y$ $3x$
 $5x + 2x + 3x = \underline{\hspace{2cm}}$
- $7b$ b b^2 $7c$
 $\underline{\hspace{2cm}}$
- $2a$ 2 a $2a$
 $\underline{\hspace{2cm}}$
- 8 $8x$ $6x$ 2
 $\underline{\hspace{2cm}}$
- rs r s $4rs$
 $\underline{\hspace{2cm}}$
- t^2 t $2t^2$ 2
 $\underline{\hspace{2cm}}$
- x y z 1
 $\underline{\hspace{2cm}}$
- $9a$ $10a$ a a^2
 $\underline{\hspace{2cm}}$
- $5x^3$ $5x^2$ $4x^3$ $4x$
 $\underline{\hspace{2cm}}$

40 Complete.

	Algebraic expression	Coefficient of x	Constant	Coefficient of y		Algebraic expression	Coefficient of x	Constant	Coefficient of y
1	$3x + 2y + 5$	3	5		5	$7 + 6x - 2y$			
2	$x + 2y$				6	$10 + 2y - \sqrt{2}x$			
3	$2y + x + 1$				7	$a + b + 2$			

