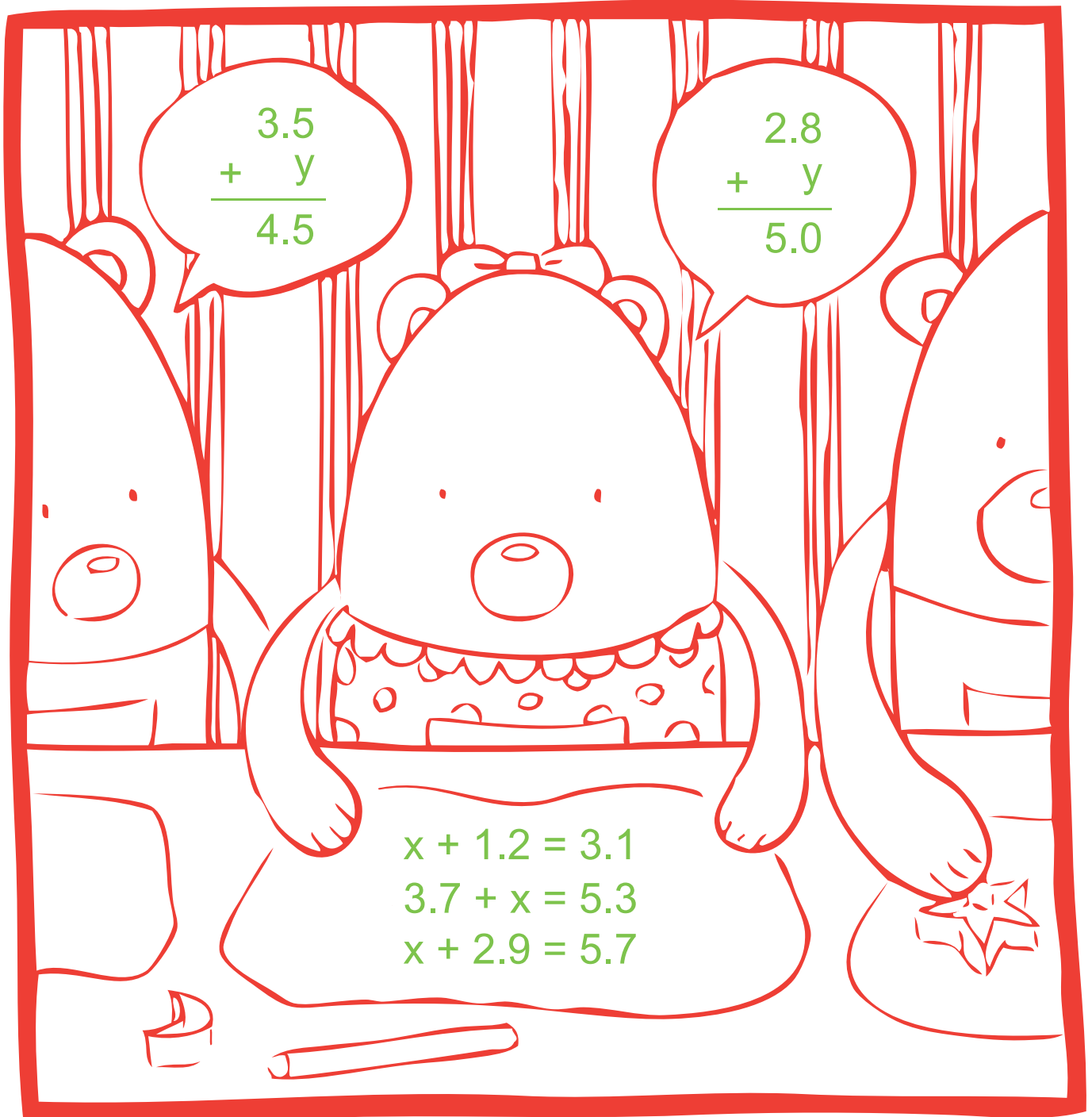


# Bear Math



Note: More worksheets at [www.education.com/worksheets](http://www.education.com/worksheets)

## Instructions:

Complete each math problem and color the page!

# Forest Math



Note: More worksheets at [www.education.com/worksheets](http://www.education.com/worksheets)

## Instructions:

Complete each math problem and color the page!

# Star Math

$$\begin{array}{r} 3.2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2.1 \\ \times 4 \\ \hline \end{array}$$

$$y + 33 = 52 \times 3$$

$$\begin{array}{r} 3.2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8.5 \\ \times 5 \\ \hline \end{array}$$

$$21y = 30 + 33$$

$$y + 34 = 31 \times 4$$

$$\begin{array}{r} 5.4 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1.1 \\ \times 5 \\ \hline \end{array}$$

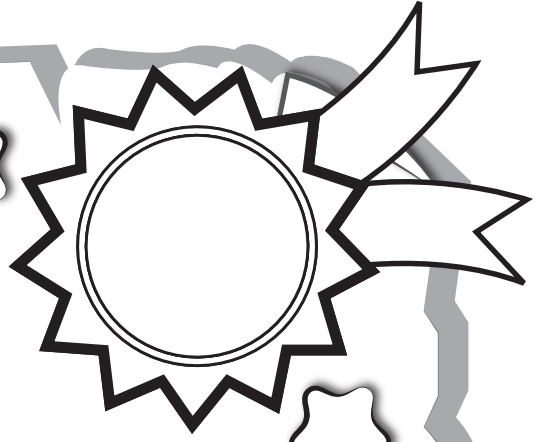
Note: More worksheets at [www.education.com/worksheets](http://www.education.com/worksheets)

## Instructions:

Complete each math problem and color the page!

Great job!

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# Answer Sheets

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## Patterns, Pairs and Variables

Number Patterns #1  
Number Patterns #2  
Number Patterns #3  
Coordinates Treasure Hunt  
Name the Quadrant  
Write the Coordinates  
Expression vs. Equation  
Writing Expressions with Variables #1  
Writing Expressions with Variables #2  
Algebraic Expressions  
Algebra Action! Value of the Expression  
Ladybug Math  
Air Balloon Math  
Fish Math  
Bear Math  
Forest Math  
Star Math

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# Answer Sheet

## NUMBER PATTERNS

Find out what number is added or subtracted to get the next number. Repeat the process to fill in the missing numbers. Write the pattern used on the blank lines to the right. (Hint: The patterns can be whole numbers OR fractions.)

Example:

5    10    15    20    25    30    35    40    45    \_\_\_\_\_ +5

1.	1	4	7	10	13	16	19	21	+3
2.	3	7	11	15	19	23	27	31	+4
3.	5	8	11	14	17	20	23	26	+3
4.	10	8	6	4	2	0	-2	-4	-2
5.	56	44	32	20	8	-4	-16	-28	-12
6.	45	41	37	33	29	25	21	17	-4
7.	$\frac{5}{2}$	4	$\frac{11}{2}$	7	$\frac{17}{2}$	10	$\frac{23}{2}$	13	$+\frac{3}{2}$
8.	$\frac{19}{2}$	9	$\frac{17}{2}$	8	$\frac{15}{2}$	7	$\frac{13}{2}$	6	$-\frac{1}{2}$
9.	11	24	37	50	63	76	89	102	+13
10.	15	21	27	33	39	45	51	57	+6
11.	$\frac{7}{2}$	6	$\frac{17}{2}$	11	$\frac{27}{2}$	16	$\frac{37}{2}$	21	$+\frac{5}{2}$
12.	20	$\frac{75}{4}$	$\frac{70}{4}$	$\frac{65}{4}$	15	$\frac{55}{4}$	$\frac{50}{4}$	$\frac{45}{4}$	$-\frac{5}{4}$
13.	89	73	57	41	25	9	-7	-23	-16
14.	-52	-25	2	29	56	83	110	137	+27
15.	$\frac{1}{5}$	1	$\frac{9}{5}$	$\frac{13}{5}$	$\frac{17}{5}$	$\frac{21}{5}$	5	$\frac{29}{5}$	$+\frac{4}{5}$

# Answer Sheet

## NUMBER PATTERNS

Find out what whole number OR fraction is multiplied or divided to get the next number. Repeat the process to fill in the missing numbers. Write down the number pattern on the right blank lines.

Example:

$$8 \quad 12 \quad 18 \quad 27 \quad \frac{81}{2} \quad \frac{243}{4} \quad \frac{729}{8} \quad \underline{x\left(\frac{3}{2}\right)}$$

1.	$\frac{1}{2}$	$\frac{3}{2}$	$\frac{9}{2}$	$\frac{27}{2}$	$\frac{81}{2}$	$\frac{243}{2}$	$\frac{729}{2}$	$\frac{2187}{2}$	$\underline{x 3}$
2.	5	10	20	40	80	160	320	640	$\underline{x 2}$
3.	$\frac{3125}{2}$	1250	1000	800	640	512	$\frac{2048}{5}$	$\frac{8192}{25}$	$\underline{x\left(\frac{4}{5}\right)}$
4.	1000	500	250	125	$\frac{125}{2}$	$\frac{125}{4}$	$\frac{125}{8}$	$\frac{125}{16}$	$\underline{\div 2}$
5.	$\frac{11}{3}$	11	33	99	297	891	2673	8019	$\underline{x 3}$
6.	7	14	28	56	112	224	448	896	$\underline{x 2}$
7.	8	12	18	27	$\frac{81}{2}$	$\frac{234}{4}$	$\frac{702}{8}$	$\frac{2106}{16}$	$\underline{x\left(\frac{3}{2}\right)}$
8.	4374	2916	1944	1296	864	576	384	256	$\underline{x\left(\frac{2}{3}\right)}$
9.	$\frac{3}{2}$	3	6	12	24	48	96	192	$\underline{x 2}$
10.	7	14	28	56	112	224	448	896	$\underline{x 2}$
11.	81	27	9	3	1	$\frac{1}{3}$	$\frac{1}{9}$	$\frac{1}{27}$	$\underline{\div 3}$
12.	1024	256	64	16	4	1	$\frac{1}{4}$	$\frac{1}{16}$	$\underline{\div 4}$
13.	$\frac{1}{128}$	$\frac{1}{16}$	$\frac{1}{2}$	4	32	256	2048	16384	$\underline{x 8}$
14.	12500	2500	500	100	20	4	$\frac{4}{5}$	$\frac{4}{25}$	$\underline{\div 5}$
15.	$\frac{2}{81}$	$\frac{2}{9}$	2	18	162	1458	13122	118098	$\underline{x 9}$

# Answer Sheet

## NUMBER PATTERNS

Treasure-hunter Jack has received a secret message in a sequence of numbers. Decoded, it will tell him the location of the world's largest diamond, the Golden Jubilee. The message is encoded in a "letter number" cipher. This is when letters are replaced as numbers. However only the MISSING NUMBERS will reveal the true location. Find out what these numbers are!

(Hint: The numbers follow a pattern. You will have to subtract, divide, add or multiply by a whole number or fraction to find the missing numbers.)

Example:

(+5) 5    10    15    20    **25**    Then the letter is Y

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

1.        5        10        **20**        40        80

2.        29        22        15        **8**        **1**

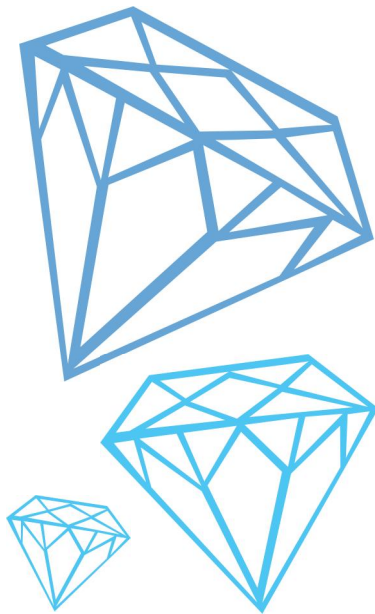
3.         $\frac{27}{2}$         **9**        6        4         $\frac{8}{3}$

4.        -60        -36        -12        **12**        36

5.        81        27        9        3        **1**

6.        3024        504        84        **14**         $\frac{7}{3}$

7.        20        16        12        8        **4**



Where is the location of the Golden Jubilee Diamond?

**T**    **H**    **A**    **I**    **L**    **A**    **N**    **D**  
— — — — — — — —  
1        2a    2b        3        4        5        6        7