1) Evaluate: m = 1.2, 2m

2) Where does the decimal go in the answer for the following:

1.234 x 0.1 = 0.1234

1234 x 1

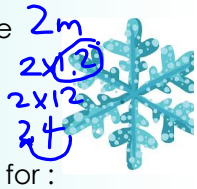
2 x 1.2 = 2.4

2m

2 x 1.2

2 x 12

24



3) Where will the decimal be placed in the answer for :

14.22 ÷ 0.2 = 71.1

4) 2.2 + 1.3 X 2 = 4.8

2.2 + 2.6 = 4.8

1.7 X 3 =

17 x 3 = 51

5) Algebriac Expression for: double a number, then subtract 9

2n - 9

6) Find the mean for : 2,2,5,5,6, 20 ÷ 5 = 4

7) (-4) + (±6) = -10

1+2+6

8) What number is divisible by 6? a) 126 b) 250 c) 522

9

9) Put a digit at the end of this number to make it divisible by 3

627 624

621

10) 1/6 of 24 4

2 + 3 x 2

2 + 6

8

2.1 + (3.1 x 2)

2.1 + 6.2

8.3

4.1 + 1.2 x 2

4.1 + 2.4

6.5

3.7 + 2.2 x 2

3.7 + 4.4

8.1

Where does the decimal go?

53.1 + 2.34 = 5 5 4 4

25.13 - 15.3 = 9 8 3

* 7.00 x 0.2 = 0 0 1 4

* 72.0 ÷ 0.9 = 8 0

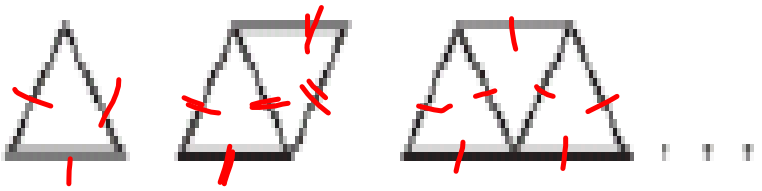
720 ÷ 9 = 80.0

72.1 ÷ 0.05

7210 ÷ 5 =

1.43 ÷ 0.2

14.3 ÷ 2



Term number: (n)	1	2	3	4	5	6	7	...	10	...	20
Term (t): number of line segments	3	5	7	9	11			...		...	

$t = 2n + 1$

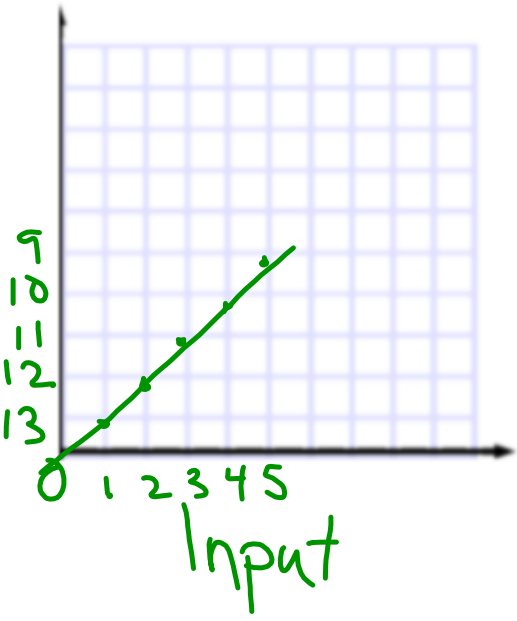
$2 \times 10 + 1$

$20 + 1 = 21$

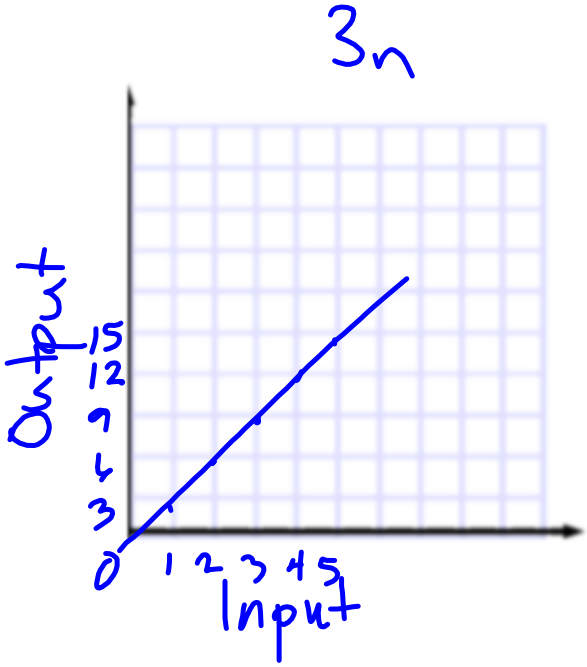
Input n	Output 14-n
1	14-1=13
2	14-2=12
3	14-3=11
4	14-4=10
5	14-5=9

Output

14-n



Input n	Output 3n
1	3 x 1 = 3
2	3 x 2 = 6
3	3 x 3 = 9
4	3 x 4 = 12
5	3 x 5 = 15



1.6 Graphing Relations

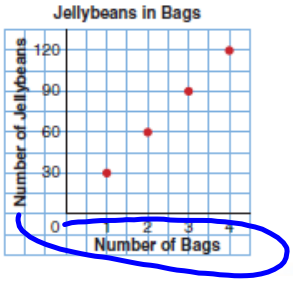
Focus Create a table of values, then graph.

We can use a graph to show the relationship between two quantities.
What does this graph show?

How many jellybeans are in each bag?
Write a relation for the total number of jellybeans in *n* bags.

$30n$

$30n$



# bags	# JB
1	30
2	60
3	90
4	120

Practice

1. Copy and complete this Input/Output table for each relation.

a) $4n$ is related to n.

b) $x + 3$ is related to x.

c) $4c + 6$ is related to c.

Input n	Output
1	
2	
3	
4	
5	

2. Graph each relation in question 1. Suggest a real-life situation it could represent.

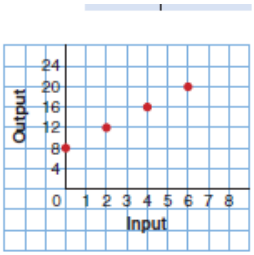
4. Look at the graph on the right.

a) What is the output when the input is 1?

b) Which input gives the output 18?

c) Extend the graph. What is the output when the input is 8?

d) Suggest a real-life situation this graph could represent.



5. Admission to Fun Place is $5.
Each go-cart ride costs an additional $3.

a) Write a relation to show how the total cost is related to the number of go-cart rides.

b) Copy and complete this table.

Number of Go-Cart Rides	Total Cost ($)
0	
1	
2	
3	
4	
5	

c) Draw a graph to show the relation.
Describe the graph.

d) Use the graph to answer these questions:

i) Erik goes on 6 go-cart rides.
What is his total cost?

ii) Before entering the park, Lydia has $30.
How many go-cart rides can she afford?

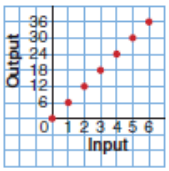
6. Match each graph to its relation.

a) The number of seashells collected is related to the number of students who collected.
There are 12 seashells to start.
Each student collects 3 seashells.

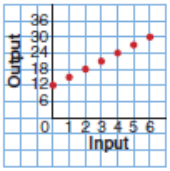
b) The number of counters on the teacher's desk is related to the number of students who remove counters.
There are 36 counters to start.
Each student removes 6 counters.

c) The money earned baby-sitting is related to the number of hours worked. The baby-sitter earns $6/h.

i)



ii)



iii)