

Teacher Resource Copy Masters

UNITS 7-8





Book 3 Certified by Illustrative Mathematics®

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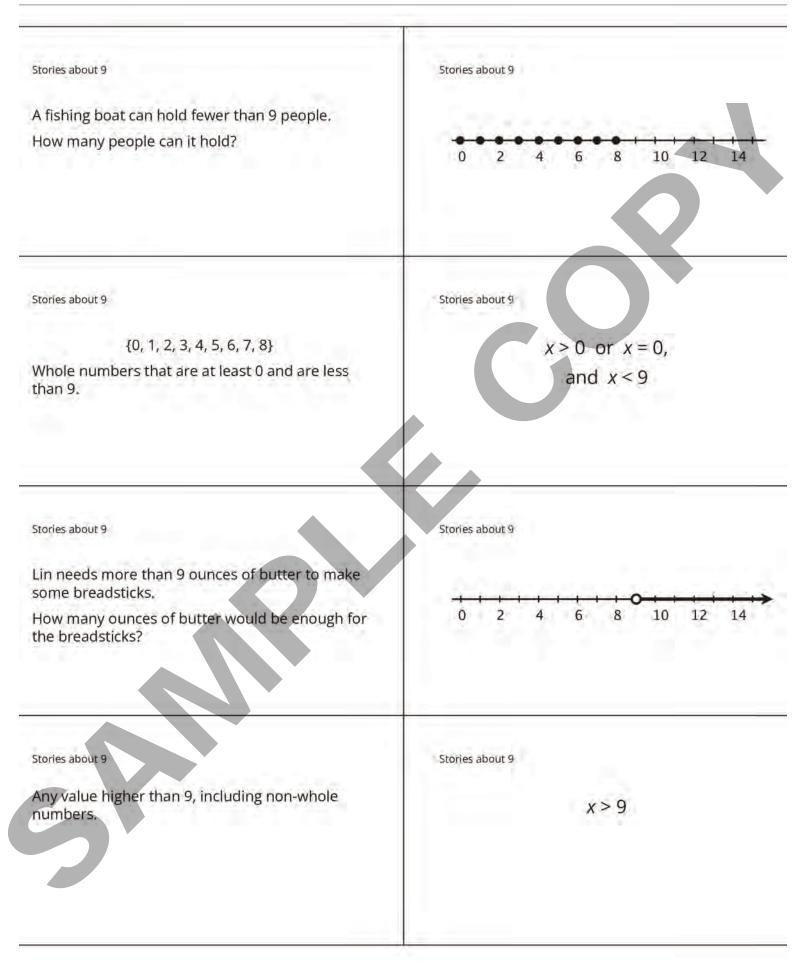
Activity Grade6.7.18.4	Activity Grade6.7.9.3	Activity Grade6.7.8.3	Activity Grade6.7.7.2	Activity Grade6.7.4.2	address
Factors and Multiples Bingo Cards	What Number Am l Cards	Stories about 9 Cards	Points on the Number Line Cards	Ordering Rational Number Cards	title
18	2	2	4	Ν	students per copy
yes	no	no	no	no	written on?
yes	yes	yes	yes	yes	requires cutting?
no	yes	yes	ПО	по	card stock recommended?
no	O	O	Ъ	yes	color paper recommended?
no	no	no	оп	no	used multiple times?
По	По	По	ō	о	used as a center material?

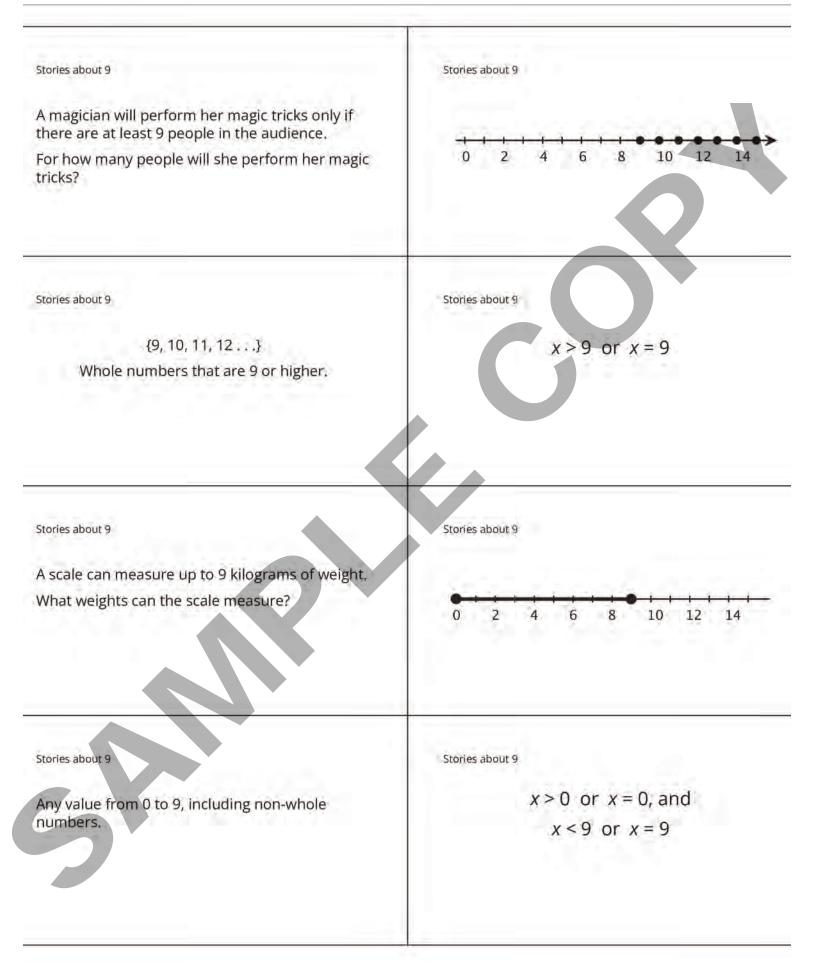
		I	
Ordering Rational Number Cards - Set 1			
0	$\frac{1}{4}$	1	2
	4		
Ordering Rational Number Cards - Set 1			
2 5	0	2	
2.5	-8	3	4
Ordering Rational Number	Ordering Rational Number	Ordering Rational Number	Ordering Rational Number
Cards - Set 1			
9 8	5	-7	6
C C			
Ordering Rational Number Cards - Set 1			
_9	-7.5	30	9
2	1.5	50	
Ordering Rational Number Cards - Set 1			
1		C 2	1 -
-1	-2	62	15
Ordering Rational Number	Ordering Rational Number	Ordering Rational Number	Ordering Rational Number
Cards - Set 1			
87	100	$22\frac{1}{2}$	25
		•	·

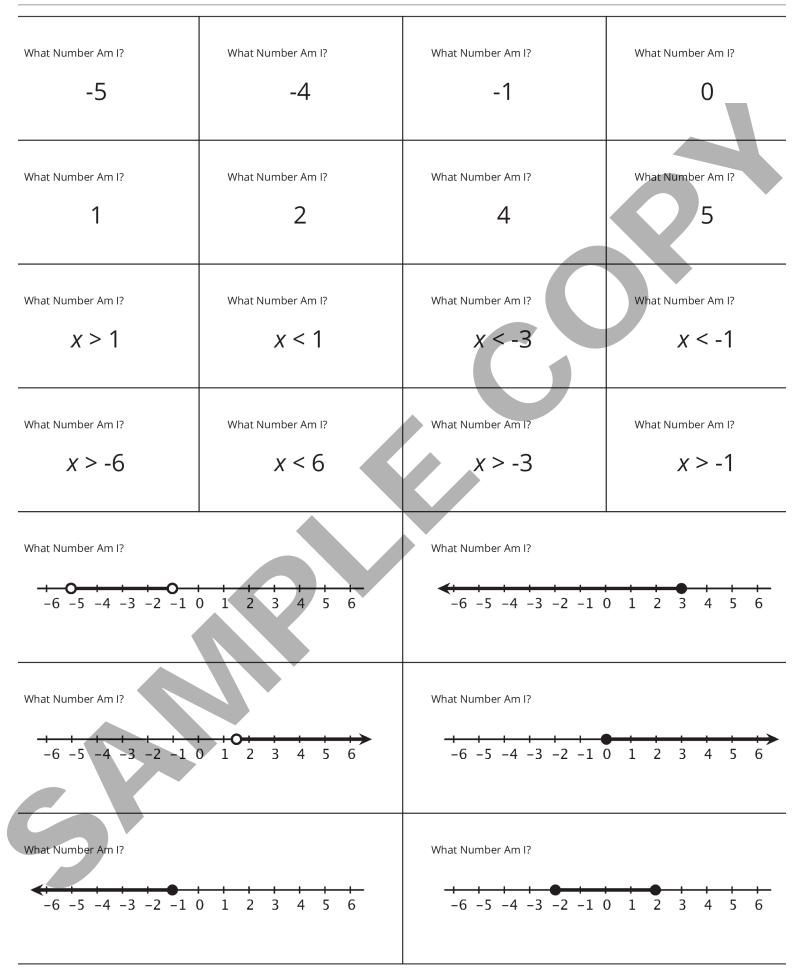
| Ordering Rational Number
Cards - Set 2 |
|---|---|---|---|
| -23 | $-22\frac{1}{2}$ | -22 | -10 |
| Ordering Rational Number
Cards - Set 2 |
| 7 | <u>8</u>
3 | 7.5 | $5\frac{1}{2}$ |
| Ordering Rational Number
Cards - Set 2 |
| $-5\frac{1}{2}$ | -5 | -3 | -2.5 |
| Ordering Rational Number
Cards - Set 2 |
| $-\frac{9}{8}$ | 10 | 11 | $-\frac{1}{4}$ |
| Ordering Rational Number
Cards - Set 2 |
| 29 | 8 | 53 | 14 |
| Ordering Rational Number
Cards - Set 2 |
| 78 | 16 | 99 | 17 |

Info Gap: Points on the Number Line Problem Card 1 The points A, B, C, and D are located on the number line. What is the location of point A?	 Info Gap: Points on the Number Line Data Card 1 Point A has the same absolute value as B, but a different sign. B is less than D. Point C is located at -2. D is the opposite of C. The distance between B and D is 1¹/₂.
Info Gap: Points on the Number Line Problem Card 2 The points X, Y, and Z are located on the number line. What is the location of point Z?	Info Gap: Points on the Number Line Data Card 2 • The absolute value of X is 2. • Y is greater than X. • Point Y is closer to zero than point X is. • Z is positive. • The distance between X and Y is 1. • The distance between Y and Z is 4.
Info Gap: Points on the Number Line Problem Card 1 The points A, B, C, and D are located on the number line. What is the location of point A?	 Info Gap: Points on the Number Line Data Card 1 Point A has the same absolute value as B, but a different sign. B is less than D. Point C is located at -2. D is the opposite of C. The distance between B and D is 1¹/₂.
Info Gap: Points on the Number Line Problem Card 2 The points X, Y, and Z are located on the number line. What is the location of point Z?	 Info Gap: Points on the Number Line Data Card 2 The absolute value of X is 2. Y is greater than X. Point Y is closer to zero than point X is. Z is positive. The distance between X and Y is 1. The distance between Y and Z is 4.

Grade6.7.B8.3 Stories about 9 Cards







Factors and Multiplas Dingo	Factors and Multiples Dingo	Easters and Multiples Dingo
Factors and Multiples Bingo	Factors and Multiples Bingo	Factors and Multiples Bingo
All common factors of 24 and 36	All numbers with 4 or more factors	All even square numbers
Factors and Multiples Bingo	Factors and Multiples Bingo	Factors and Multiples Bingo
All even multiples of 3	All numbers divisible by 8	All two-digit numbers with digits that sum to 6
Factors and Multiples Bingo	Factors and Multiples Bingo	Factors and Multiples Bingo
All common multiples of 4 and 10	All common factors of 45 and 90	All common factors of 25 and 75
Factors and Multiples Bingo	Factors and Multiples Bingo	Factors and Multiples Bingo
All odd square numbers	All prime numbers greater than 17	All prime numbers less than 19
Factors and Multiples Bingo	Factors and Multiples Bingo	Factors and Multiples Bingo
All single-digit composite numbers	All powers of 10	All multiples of 15
Factors and Multiples Bingo	Factors and Multiples Bingo	Factors and Multiples Bingo
All numbers with exactly 3 factors	All even multiples of 7	All cubic numbers
Factors and Multiples Bingo	Factors and Multiples Bingo	Factors and Multiples Bingo
All odd multiples of 3	All factors of 100	All odd factors of 180

Factors and Multiples Bingo

24	20	33	15
7	4	14	84
99	10	36	11
12	26	0	75

Factors and Multiples Bingo

4	21	30	16
8	14	15	42
9	19	32	1
22	46	39	25

rs and Mult	iples Bingo			Factors and Mull	tiples Bingo		
44	25	31	5	34	15	11	50
76	48	24	27	б	44	42	75
92	18	3	16	35	90	3	18
62	56	70	0	60	16	80	10

Factors and	Multiples	Bingo	

4	19	13	54
65	42	12	7
33	9	23	28
66	26	84	18

Factors and Multiples Bingo

3	14	1	Ó
66	24	12	5
36	60	37	48
6	56	63	10

Factors and Multiples Bingo

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32	25	31	57
68	42	48	60
3	Ō	64	28
66	76	81	10

30	15	13	0
67	45	12	50
55	20	36	18
63	16	49	64

Factors and Multiples Bingo

4	15.	21	0
16	42	52	17
30	45	35	1
6	26	8	4

	18	74
4	18	21
1		

Factors and Multiples Bingo

4	18	21	5
26	24	48	71
45	19	32	8
61	16	36	10

Factors and Multiples Bingo

56	63	64	60
8	25	42	36
35	9	37	1
66	36	81	100

Factors and Multiples Bingo

3	25	17	56
16	42	40	7
85	9	36	48
63	49	26	14

Factors and Multiples Bingo

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uctor a	HIG	Mon	upico.	DILIPO	

Factors and Multiples Bingo

	· · · · · · · · · · · · · · · · · · ·	-	
75	24	81	33
22	63	14	92
90	49	8	3
26	12	70	5

3	60	0	23
20	26	4	52
18	45	46	42
63	76	34	25

Factors and Multiples Bingo

99	14	28	39
64	3	75	18
71	9	0	48
80	19	15	33

6	25	15	32
21	4	7	16
24	10	66	19
35	13	50	30

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Factors and	Multin	loc Ringo
Factors and	Multip	IS DILEV

6	44	84	0
66	19	30	32
9	1	54	7
62	36	15	12

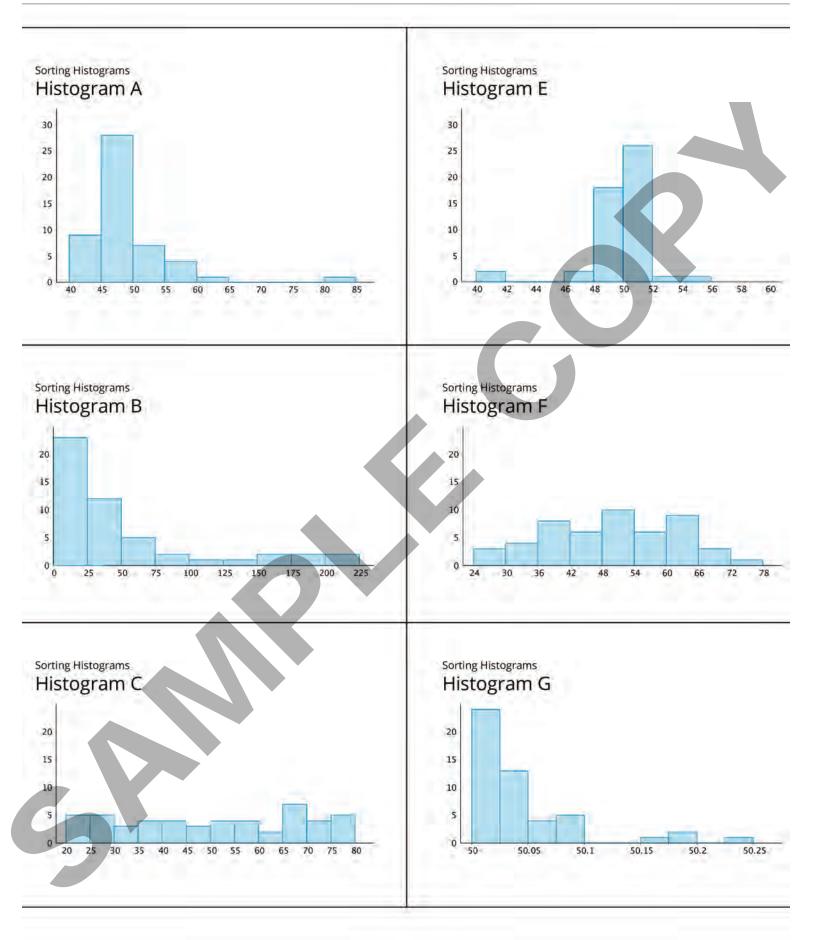
Factors and Multiples Bingo

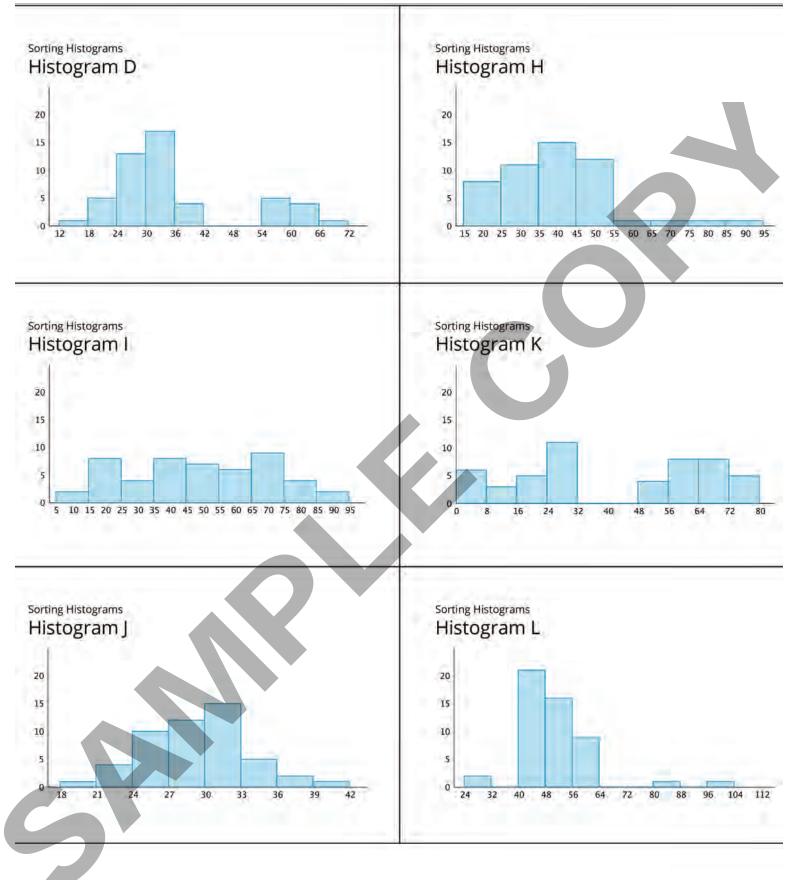
37	1	31	17
4	27	44	16
65	18	35	55
8	56	11	42



Activity Grade6.8.17.2	Activity Grade6.8.14.3	Activity Grade6.8.8.3	Activity Grade6.8.8.2	Activity Grade6.8.2.4	address
Sea Turtles Cards	Mean or Median Cards	Getting to School Handout	Sorting Histograms Cards	Sifting for Statistical Questions Cards	title
2	4	2	4		students per copy
no	по	no	no	O	written on?
yes	yes	no	yes	no	requires cutting?
no	по	по	yes	ПО	card stock recommended?
no	ПО	DO	O	D	color paper recommended?
no	no	no	по	по	used multiple times?
по	по	по	no	по	used as a center material?

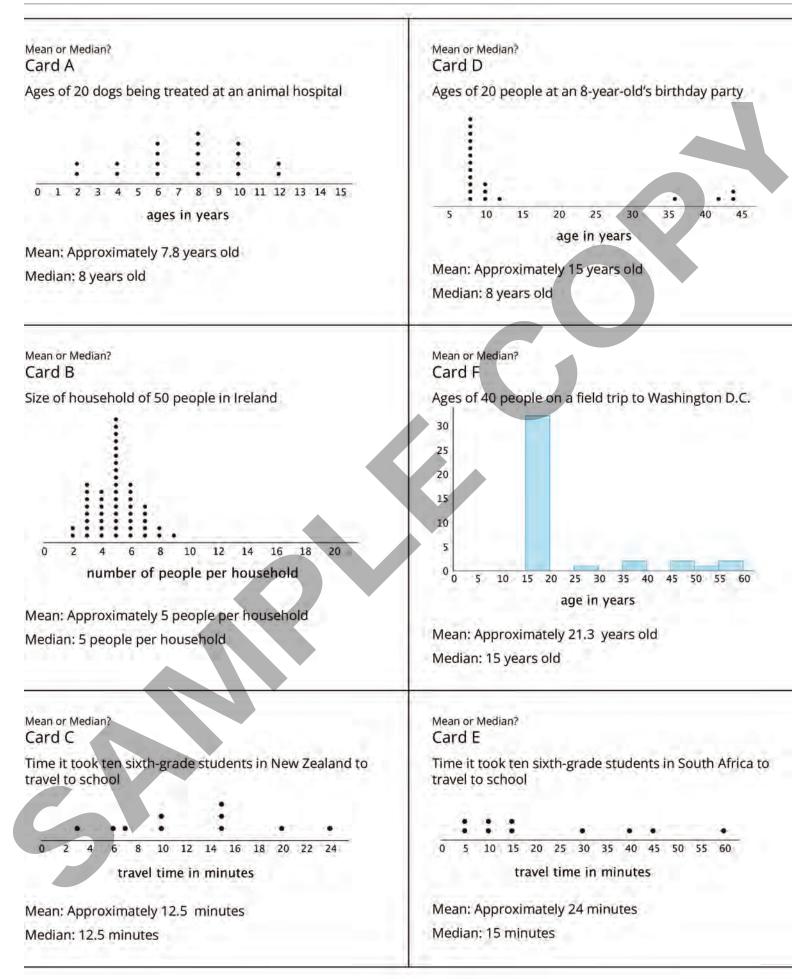
Sifting for Statistical Questions	Sifting for Statistical Questions
A. What fraction of the people in your school wear glasses?	G. Who is the current Vice President of the United States?
Sifting for Statistical Questions	Sifting for Statistical Questions
B. How many centimeters tall is the door of your classroom?	H. How old is the principal at your school?
Sifting for Statistical Questions	Sifting for Statistical Questions
C. What percentage of students in your class say they like dogs better than cats?	I. What is the most common favorite color for the students in your class?
Sifting for Statistical Questions	Sifting for Statistical Questions
D. What is the average age of the teachers at your school?	J. Do students at your school generally get more sleep on school nights than on weekends and holidays?
Sifting for Statistical Questions	Sifting for Statistical Questions
E. What do students in your class prefer to have on a hot dog: ketchup, mustard, both ketchup and mustard, or neither?	K. Who is is the oldest staff member at the school?
Sifting for Statistical Questions	Sifting for Statistical Questions
F. What is a typical number of students per class in your school?	L. What day of the week is today?





methods of travel	frequency
walk	
bike	
scooter or skateboard	
school bus	
car	
public transportation	
other	

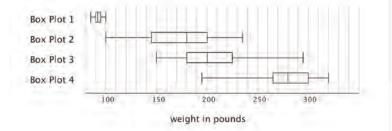
minutes of travel time	frequency
0 to less than 5 minutes	
5 to less than 10 minutes	
10 to less than 15 minutes	
15 to less than 20 minutes	
20 to less than 25 minutes	
25 to less than 30 minutes	
30 to less than 35 minutes	
35 to less than 40 minutes	
40 to less than 45 minutes	
45 to less than 50 minutes	



Info Gap: Sea Turtles Problem Card 1

The box plots represent data on the weights of several species of sea turtles that nest at the Outer Banks of North Carolina. Two of the species are the olive ridley and the hawksbill.

Which two box plots represent the data for the weights of olive ridley and hawksbill sea turtles?



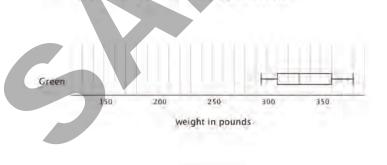
Info Gap: Sea Turtles Data Card 1

- The median for the hawksbill data is about twice the median for the olive ridley data.
- The range for the hawksbill data is 135 pounds.
- The IQR for the olive ridley data is 5 pounds and the range is 15 pounds.
- The heaviest weight in the olive ridley data is 100 pounds.

Info Gap: Sea Turtles Problem Card 2

Loggerhead and green sea turtles are two species that also nest at the Outer Banks. Here is the box plot for a set of data on weights of green sea turtles.

- a. Which of the two species has a heavier typical weight? Explain how you know.
- Which species shows more variation in weight? Explain how you know.



Info Gap: Sea Turtles Data Card 2

- The IQR for the loggerhead data is 45 pounds.
- The lightest weight in the loggerhead data is 150 pounds.
- The median for the loggerhead data is 130 pounds less than the median for the green turtle data.
- The heaviest weight in the loggerhead data is 295 pounds.