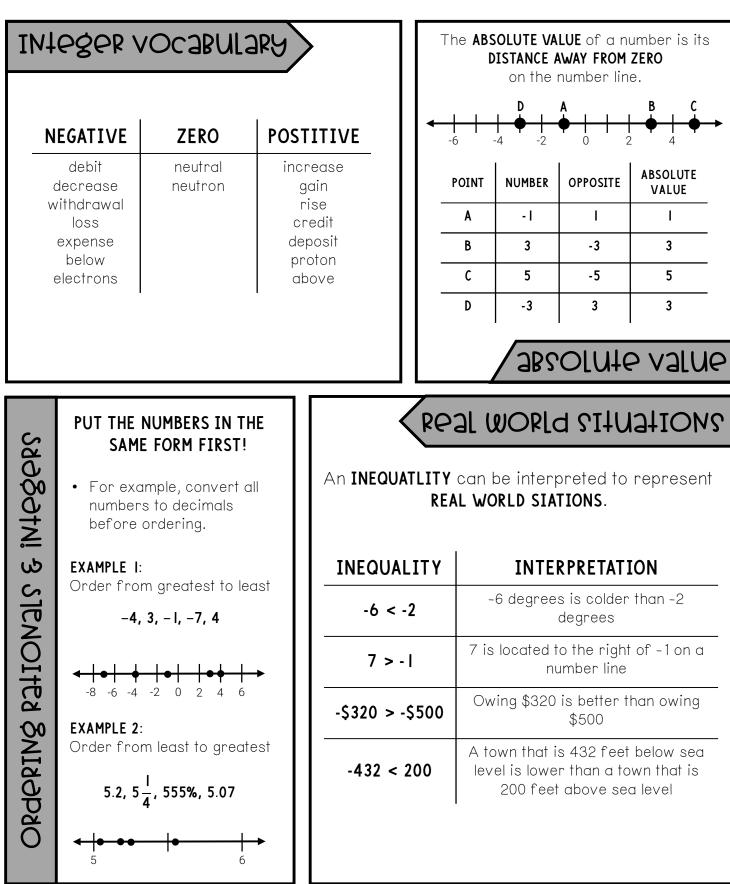
## THE NUMBER SYSTEM

CHEAT SHEET - A

#### Name Pd Date



#### THE NUMBER SYSTEM QUICK CHECK

Name	

Date

Pd

 $(\mathbf{J})$ 

(D)

 $(\mathbf{J})$ 

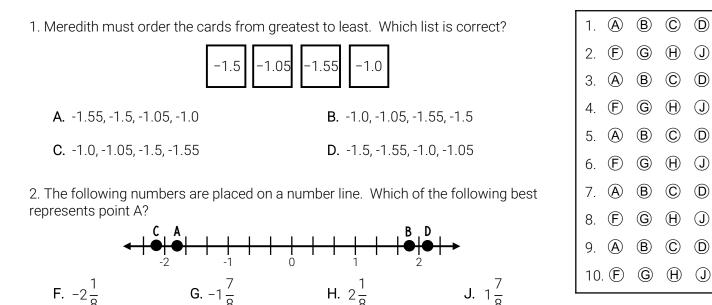
(D)

 $(\mathbf{J})$ 

(D)

 $(\mathbf{J})$ 

(D)



3. The table below shows the number of miles run each day of the week. Which list shows the number of miles run in order from least to greatest?

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
3 <mark>-</mark> 3 -	$3\frac{2}{5}$	3 <mark>3</mark> 3 <del>8</del>	3 <mark> </mark> 3 <mark> </mark>

- A. Monday, Thursday, Wednesday, Tuesday
- B. Thursday, Tuesday, Wednesday, Monday
- C. Monday, Wednesday, Tuesday, Thursday
- D. Tuesday, Monday, Wednesday, Thursday

4. Jillian tracks her progress on her spelling tests over a period of four weeks. Which list shows her scores from greatest to least?

WEEK I	WEEK 2	WEEK 3	WEEK 4
$\frac{25}{30}$	  5	82%	0.78

F. Weeks 1, 3, 2, 4

**H**. Weeks 3, 1, 4, 2

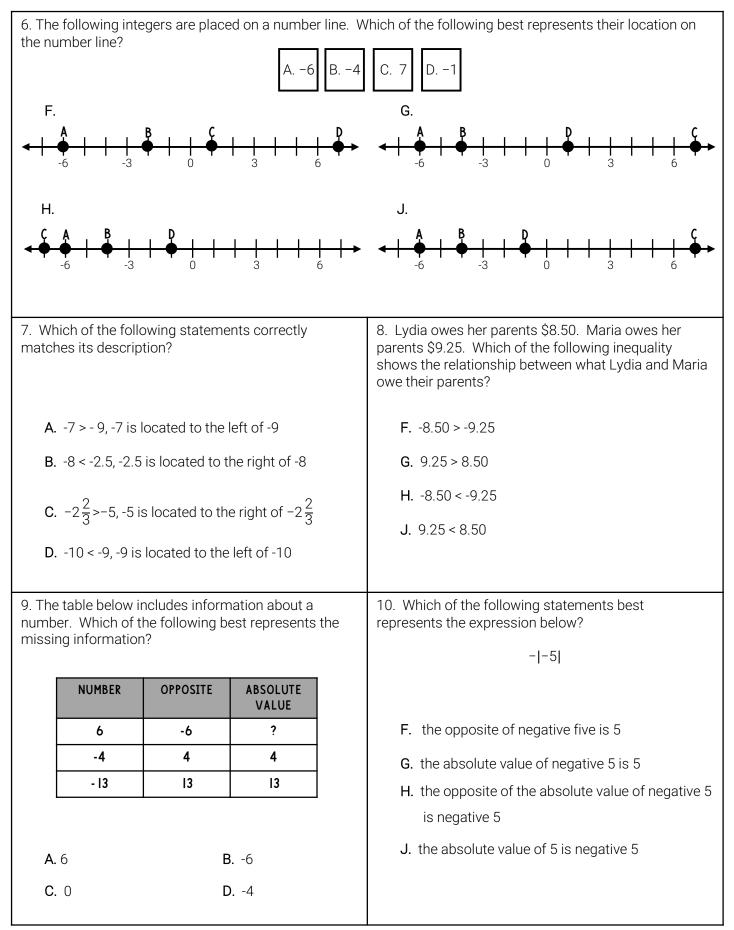
**G**. Weeks 3, 1, 2, 4

J. Weeks 1, 3, 4, 2

5. Which of the following situations does not represent the number -14?

A. The temperature drops 14°F.

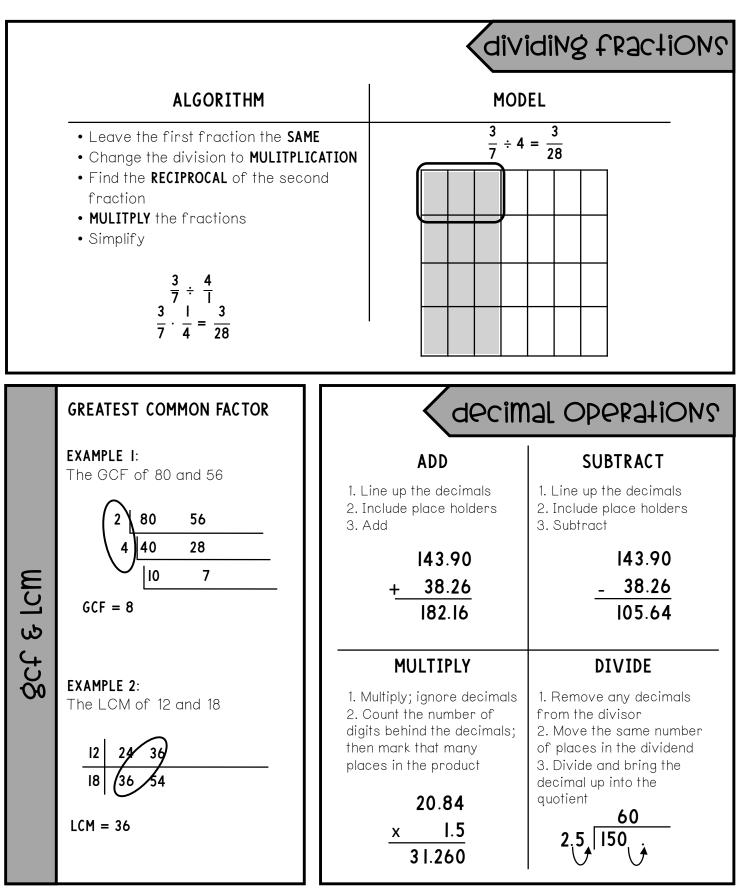
- B. An account is credited \$14.
- **C.** A football player runs for a loss of 14 yards.
- D. The element Silicon has 14 electrons.



### RATIONAL NUMBER OPERATIONS

CHEAT SHEET - A

Name \_\_\_\_\_ Date



#### RATIONAL NUMBER OPERATIONS QUICK CHECK

Name \_\_\_\_\_ Date \_\_\_\_\_

1. Maryanne is making a friendship necklace at summer camp using 1.6 cm beads. What is a reasonable estimate for the length if she uses 24 beads?							) ((	$\bigcirc$	D		
what is a reasonable estimate for the length if she uses 24 beads?								Ð	J		
				3.	A	B	) (	$\hat{\mathbf{C}}$	D		
				4.	F	G		Ð	J		
<b>A.</b> 22.4 cm	<b>B.</b> 40 cm	<b>C.</b> 33.8 cm	<b>D.</b> 38.4 cm	5.	A	B		$\bigcirc$	D		
				б.	F	G	) (	Ð	J		
2. A pitcher of iced tea ho of iced tea. How many p				7.	A	B	) (	$\hat{\mathbf{C}}$	D		
			9	8.	F	G	) (	Ð	J		
				9.	_	B		C)	(D)		
					. Us	-			0	$\gamma_{M}$	
<b>F.</b> 12	10	. 03	cu	IC Q	nu	DCI	5.00				
1.12	<b>G</b> . 24	<b>H</b> . 14	<b>J</b> . 18								
3. On a radio morning sh											
	ow, every 12th caller re	eceives concert tickets	s, and every 16th	÷	0	0	0	0	•	0	0
3. On a radio morning sh	ow, every 12th caller re	eceives concert tickets	s, and every 16th	÷				0	•	0	0
3. On a radio morning sh	ow, every 12th caller re	eceives concert tickets	s, and every 16th			0	0	-	•		
3. On a radio morning sh	ow, every 12th caller re	eceives concert tickets	s, and every 16th		() ②	© ①	0	1	•		
3. On a radio morning sh	ow, every 12th caller re	eceives concert tickets	s, and every 16th		① ② ③	0 1 2	0 () () ()	① ②	•	() ②	() 2
3. On a radio morning sh caller receives an autogr	ow, every 12th caller re aphed album. What ca	eceives concert tickets Iller number will receiv	s, and every 16th re both?		① ② ③ ④	0 1 2 3	0 1 2 3	① ② ③		() (2) (3)	() (2) (3)
3. On a radio morning sh	ow, every 12th caller re	eceives concert tickets	s, and every 16th		() (2) (3) (4) (5)	0 () () () () () () () () () () () () ()	0 () () () () () () () () () () () () ()	① ② ③ ④	•	() (2) (3) (4)	() (2) (3) (4)
3. On a radio morning sh caller receives an autogr	ow, every 12th caller re aphed album. What ca	eceives concert tickets Iller number will receiv	s, and every 16th re both?		<ol> <li>2</li> <li>3</li> <li>4</li> <li>5</li> <li>6</li> </ol>	0 1 2 3 4 5	0 () () () () () () () () () () () () ()	() (2) (3) (4) (5)	•	① ② ③ ④ ⑤	() (2) (3) (4) (5)
3. On a radio morning sh caller receives an autogr <b>A.</b> 24	ow, every 12th caller re aphed album. What ca <b>B.</b> 192	eceives concert tickets iller number will receiv C. 48	s, and every 16th re both? D. 84		<ol> <li>2</li> <li>3</li> <li>4</li> <li>5</li> <li>6</li> <li>7</li> </ol>	0 () () () () () () () () () () () () ()	0 1 2 3 4 5 6	<ol> <li>(1)</li> <li>(2)</li> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> </ol>	•	() 2 3 4 5 6	() (2) (3) (4) (5) (6)
3. On a radio morning sh caller receives an autogr	ow, every 12th caller re aphed album. What ca <b>B.</b> 192 math problem on the v	eceives concert tickets iller number will receiv <b>C.</b> 48 white board. Which of	s, and every 16th re both? D. 84		<ol> <li>2</li> <li>3</li> <li>4</li> <li>5</li> <li>6</li> <li>7</li> <li>8</li> </ol>	0 1 2 3 4 5 6 7	0 1) 2 3 4) 5 6 7	① ② ③ ④ ⑤ ⑥ ⑦	•	<ol> <li>2</li> <li>3</li> <li>4</li> <li>5</li> <li>6</li> <li>7</li> </ol>	() (2) (3) (4) (5) (6) (7)
<ul> <li>3. On a radio morning sh caller receives an autogr</li> <li>A. 24</li> <li>4. Mrs. Barker displays a</li> </ul>	ow, every 12th caller re aphed album. What ca <b>B.</b> 192 math problem on the v	eceives concert tickets iller number will receiv <b>C.</b> 48 white board. Which of	s, and every 16th re both? D. 84		<ol> <li>2</li> <li>3</li> <li>4</li> <li>5</li> <li>6</li> <li>7</li> <li>8</li> </ol>	0 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	<ol> <li>(1)</li> <li>(2)</li> <li>(3)</li> <li>(4)</li> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> </ol>	•	<ol> <li>2</li> <li>3</li> <li>4</li> <li>5</li> <li>6</li> <li>7</li> <li>8</li> </ol>	() (2) (3) (4) (5) (6) (7) (8)

F.  $\frac{3}{4} \cdot \frac{5}{8}$ G.  $\frac{4}{3} \cdot \frac{5}{8}$ H.  $\frac{3}{4} \cdot \frac{8}{5}$ J.  $\frac{4}{3} \cdot \frac{8}{5}$ 5. In the month of January Sarah drove her car 3,219.2 miles. That brought the car's total mileage to 65,470.5

**A.** 68,689.7

miles. How many miles were on the car before January?

**B.** 62,251.3

**C.** 62,269.3

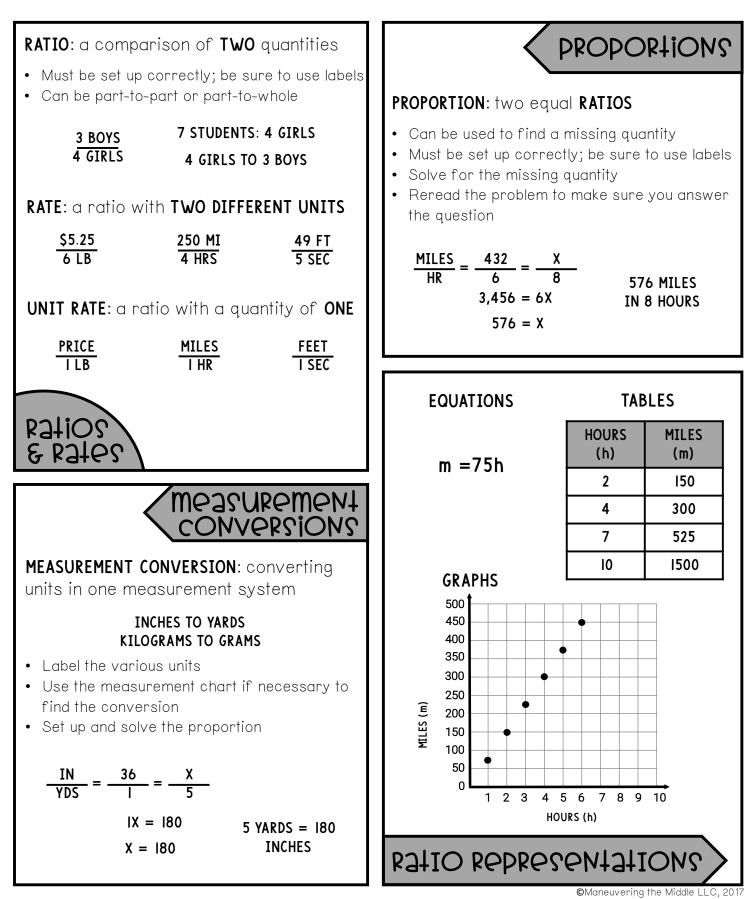
**D.** 57,345.8

6. Which of the following equations does the model belo	w represent?
	<b>F.</b> $\frac{3}{4} \div 4 = \frac{3}{16}$
	<b>G.</b> $\frac{3}{4} \div \frac{1}{4} = \frac{3}{16}$
	H. $\frac{2}{3} \div 4 = \frac{8}{3}$
	J. $\frac{2}{3} \div \frac{1}{4} = \frac{2}{12}$
7. A local food bank is creating Thanksgiving baskets. T 48 cans of pumpkin. What is the greatest number of bas	
<b>A.</b> 9	
<b>B.</b> 15	
<b>C</b> . 18	
<b>D.</b> 24	
make if she only has $\frac{11}{12}$ of a cup of milk left?	3
F. $1\frac{3}{4}$	<b>G.</b> $2\frac{3}{4}$
H. $2\frac{1}{3}$	J. $2\frac{1}{4}$
9. Jeremy is packaging a stew into to-go containers. There are $8\frac{3}{4}$ cups of stew that need to be put into 5 to-go containers equally. How many cups of stew will be in each container?	10. The parent teacher association is raising money for a new swing set. They need \$682.56 to purchase the swing set and receive a \$200.00 donation. The remaining amount will be equally divided among 8 different student groups to raise. How much money will each student group need to raise in order to purchase the swing set?
<b>A.</b> $1\frac{1}{4}$ <b>B.</b> $1\frac{3}{4}$ <b>C.</b> $1\frac{2}{3}$ <b>D.</b> $2\frac{1}{3}$	Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.
D. $2\frac{1}{3}$	

## **RATIOS & PROPORTIONALITY**

CHEAT SHEET - A

Name Date



#### RATIOS & PROPORTIONALITY QUICK CHECK

Name \_\_\_\_\_

Date \_\_\_\_\_

1. A bike travels 24 miles in 3 hours. At this rate how many miles will the bike travel 1. (A) (B) (C) (D) in 10 hours? 2. (F) (G) (H) (J) **A**. 192 3. A **B** (C) (D) **B**. 80 4. (F) G (H) (J)**C**. 32 **D**. 124 5. A **B**  $\bigcirc$   $\bigcirc$ 6. (F) G (H) (J)2. Edgar pays \$67.86 for 7.8 pounds of fertilizer. What is the price per pound of fertilizer? 7. A **B**  $\bigcirc$   $\bigcirc$ G 8. F (H) (J)**F**. \$6.98 9. (A) (B) (C) (D) **G.** \$5.65 **H.** \$8.70 10. Use the grid below. **J**. \$10.26 • 3. Diana uses 30 grams of coffee beans to make 48 fluid ounces of coffee. When  $\oplus$ 000 $\bigcirc$ 0 0company comes she makes 96 fluid ounces of coffee. How many grams of coffee Θ  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$ beans does Diana use when company comes? 2 2 2 2 2 2 3 3 3 3 3 3 4 4 4 4 4 4 5 5 5 5 5 5 **A**. 160 **B**. 60 **C.** 98.2 **D**. 14.4 6 6 6 6 6 6  $\bigcirc$  $\bigcirc$ 7  $\bigcirc$ 7  $\bigcirc$ 4. Sarah Beth babysits and earns \$10.50 per hour. Which of the following best 8 8 8 (8) 8 8 represents the relationship between the number of hours, *h*, and the total earnings, *t*. (9) 9 9 9 (9) 9

<b>F.</b> t = 10.50 + <i>h</i>	<b>G.</b> t = 10.50 <i>h</i>
<b>H.</b> h = 10.50 + <i>t</i>	<b>J.</b> h = 10.50 <i>t</i>

5. The model below shows the ratio of gray to white squares. Which of the following is **not** an equivalent ratio of gray squares to total squares?

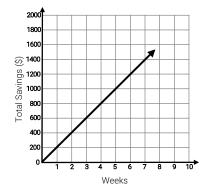
	-	 			 
<b>A.</b> 9/24			B.	21/60	
<b>C</b> . 15/40			D.	27/72	

6. Isabella decides to sell handmade stationery. She decides to sell 2 cards for 9. Which table below show the possible values of *c*, the number of cards Isabella sells, and *d*, the number of dollars she charges?

F.	CARDS, c	2	9	11	15
	DOLLARS, d	9	40.5	50.5	67.5

H.	CARDS, c	2	4	7	10
	DOLLARS, d	9	18	31.5	45

7. The graph shows the amount of money that Janice saves each week from her summer job. Which equation best represents the graph?



**A.** y = 200x

- **B.** y = x + 200
- **C.** x = 200y
- **D**. x = y + 200

9. Miguel weighs himself and discovers he weighs 83,600 grams. How many kilograms does Miguel weigh?

- **A.** 8.36 kg
- **B.** 83.6 kg
- **C**. 8,360 kg

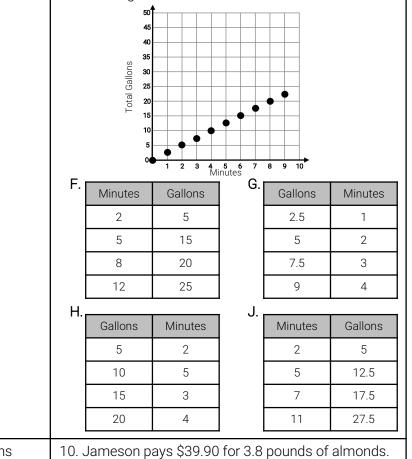
**D.** 83,600,00 kg

G.	CARDS, c	9	18	27	36
	DOLLARS, d	2	4	6	8

 J.
 CARDS, c
 2
 3
 4
 5

 DOLLARS, d
 9
 10
 11
 12

8. Which of the following tables best represents the ratio of minutes it takes to fill a bathtub to the total number of gallons?

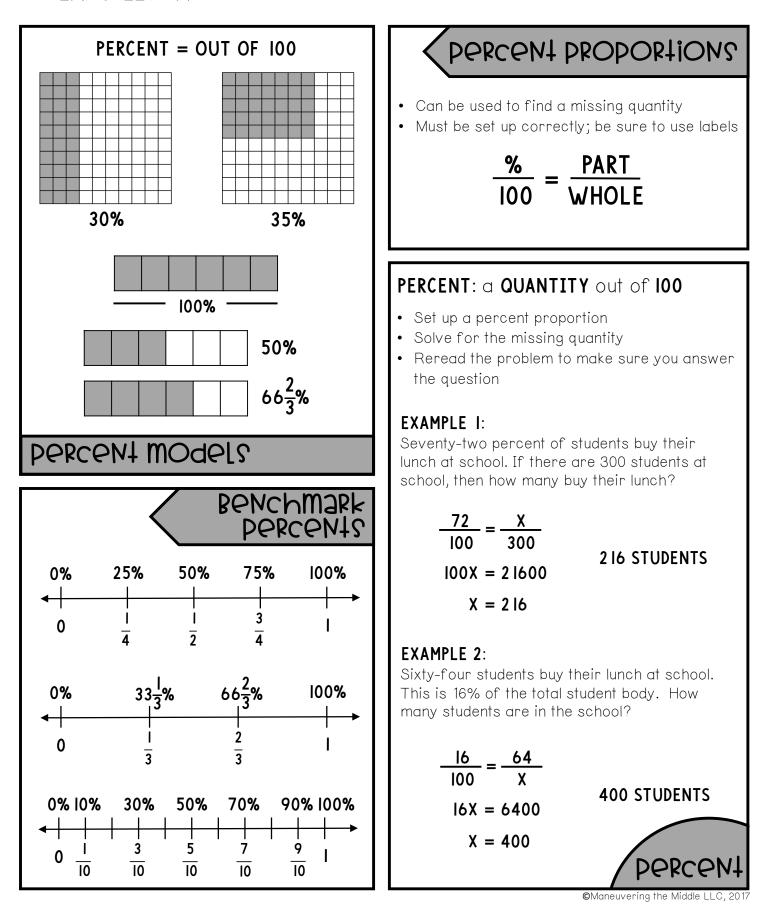


10. Jameson pays \$39.90 for 3.8 pounds of almonds. What is the price per pound of almonds? Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

#### PERCENTS CHEAT SHEET - A

Name \_\_\_\_\_

Date \_\_\_\_\_





Name \_\_\_\_\_

Date

Pd

1. There are 200 end-of-the-year school dance tickets available. Students who have	1.	A	B	) (	Ċ	D		
perfect attendance are able to purchase them in advance. If 18 tickets were purchased in advance, then what percent of the tickets were purchased in advance?	2.	F	G	) (	Ð	J		
	3.	A	B	) (	C	D		
A. 18% B. 22%	4.	F	G	) (	Ð	J		
C. 9%	5	A	B		_	D		
D. 14%		F	G		_	(J)		
2. A survey shows that 85% of students carry a backpack to school. If there are 320		-				-		
students in the school, then how many students carry a backpack?		(A)	B			D		
<b>F</b>	8.	Ē	G	) (	Ð	J		
F. 302 G. 220	9.	A	B	) (	Ċ	D		
H. 190	10	). Us	se tł	ne g	irid	belc	W.	
<b>J</b> . 272								
3. A flock of sheep has 182 white sheep and 98 spotted sheep. Which proportion can	$\oplus$	0	0	0	0		0	0
be used to determine <i>p</i> , the percent of the flock that has spots?	Θ	$\bigcirc$	$\bigcirc$		$\bigcirc$		$\bigcirc$	$\bigcirc$
		2	2	2	2		2	2
		3	3	3	3		3	3
n 08 n 182 280 08 08 n		4	4	4	4		4	4
A. $\frac{p}{100} = \frac{98}{182}$ B. $\frac{p}{100} = \frac{182}{280}$ C. $\frac{280}{182} = \frac{98}{p}$ D. $\frac{98}{280} = \frac{p}{100}$		5	5	5	5		_	5
100 102 100 200 102 p 200 100		6	6	6	6		_	6
		$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$		$\bigcirc$	$\bigcirc$

4. Eighty percent is best represented by which the following fractions?



5. What number does the model below best represent?

<b>A</b> . 17,	/20	C.	0.80
<b>B</b> . 75°	%	D.	16/20

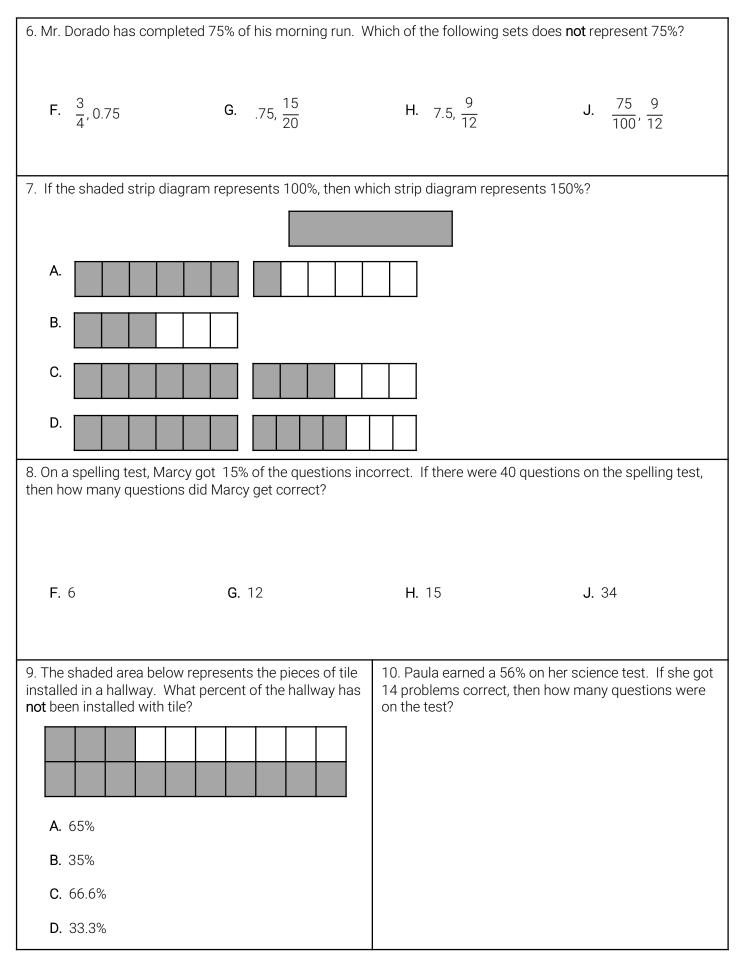
8

(9) 9 9 (9)

8 8 8

(8)

9



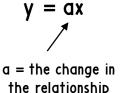
# ALGEBRAIC REPRESENTATIONS

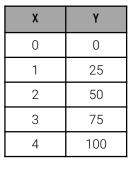
CHEAT SHEET - A

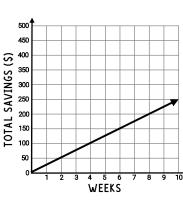

### algebraic representations

• An equation, table, graph, or verbal description can describe the relationship between x and y.

#### MULTIPLICATIVE RELATIONSHIPS







Name

Date

• PASSES THROUGH THE ORIGIN (0, 0)

Pd

 FORMS A STRAIGHT LINE

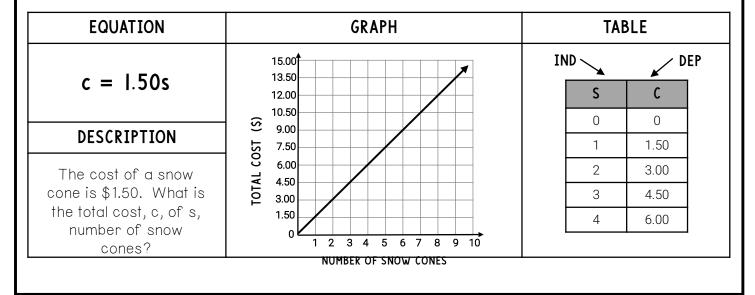
INDEPENDENT & DEPENDENT QUANTILIES

#### INDEPENDENT QUANTITIES:

- the x-values in a relationship
- constant
- measured

#### DEPENDENT QUANTITIES:

- the y-values in a relationship
- varies
- depends on x



#### ALGEBRAIC REPRESENTATIONS QUICK CHECK

Name \_\_\_\_\_\_Pd\_\_\_

1. Burger Town sells cheeseburgers for 7.95 per cheeseburger, *c*. Which of the following equations best represents the total cost, *t*, of a cheeseburger?

<b>A.</b> t = 7.95 <i>c</i>	<b>C.</b> t = 7.95 <i>c</i> + 1.00
<b>B.</b> t = 8.95 <i>c</i>	<b>D.</b> t = 7.95 + 1.00 <i>c</i>

2. A standard bathtub fills at a rate of y = 12x. Which of the following tables bests represents the equation?

J.

г.	X	1	2	4	5	
	Y	0	12	24	36	
H.						
п.	Х	0	2	4	5	

24

48

72

0

**C** -

Υ

G.	X	1	3	4	5
	Y	12	24	36	48

X	1	2	3	4
Y	12	24	36	48

G (H) 2. F  $(\mathbf{J})$ **B C** 3. (A) (D)(F)G H  $(\mathbf{J})$ 4 (A)BC (D)5 6. (F) GH  $(\mathbf{J})$ 7. A BC (D)8. (F) GH J 9. A B  $\bigcirc$ (D)10. (F) (G) (H) (J)

1. (A) (B) (C) (D)

3. The table shows the relationship between the distance away from the airport and the cost of a taxi ride to the airport. Which equation best represents the relationship in the table?

	NUMBER OF MILES (d)	5	10	15	20	25	
	TOTAL COST (c)	\$12.50	\$25.00	\$37.50	\$50.00	\$62.50	
<b>A.</b> c = 2.5d	<b>B.</b> d	l = 2.5c		<b>C.</b> c = $\frac{d}{2.5}$		<b>D.</b> c	$l = \frac{c}{2.5}$

4. The table below shows the relationship between the number of miles traveled and the number of gallons of gas used. Which of the following statements best represents the relationship?

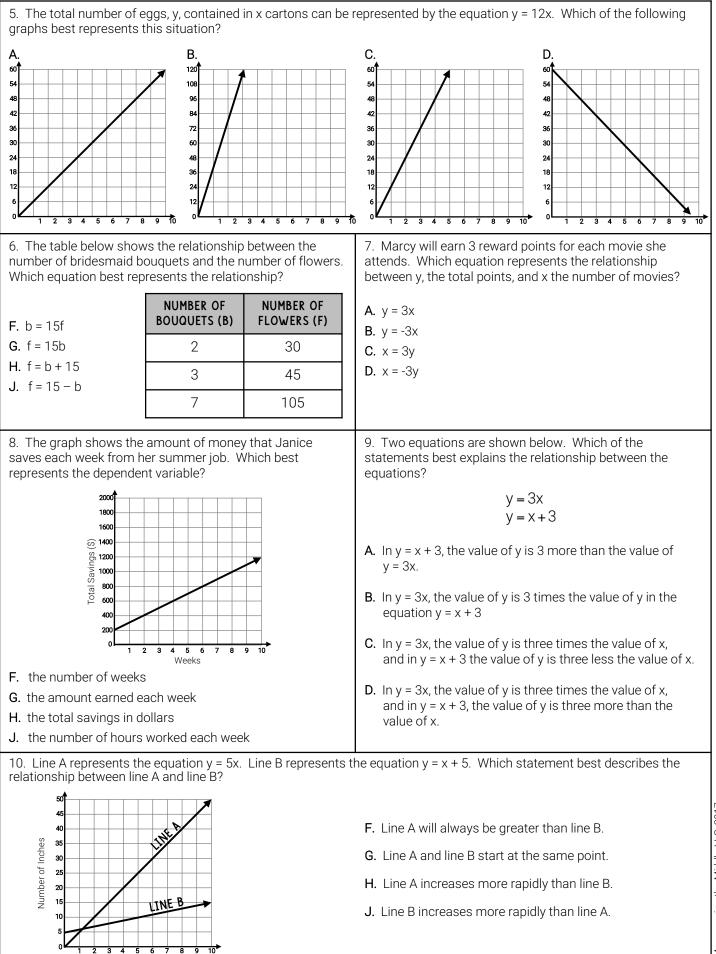
NUMBER OF MILES	35	70	105	140	175
NUMBER OF GALLONS	1	2	3	4	5

F. The number of miles is the dependent quantity and the number of gallons is the independent quantity.

G. The number of miles and the number of gallons are both dependent quantities.

H. The number of gallons and the number of miles are both independent quantities.

J. The number of miles is the independent quantity and the number of gallons is the dependent quantity.

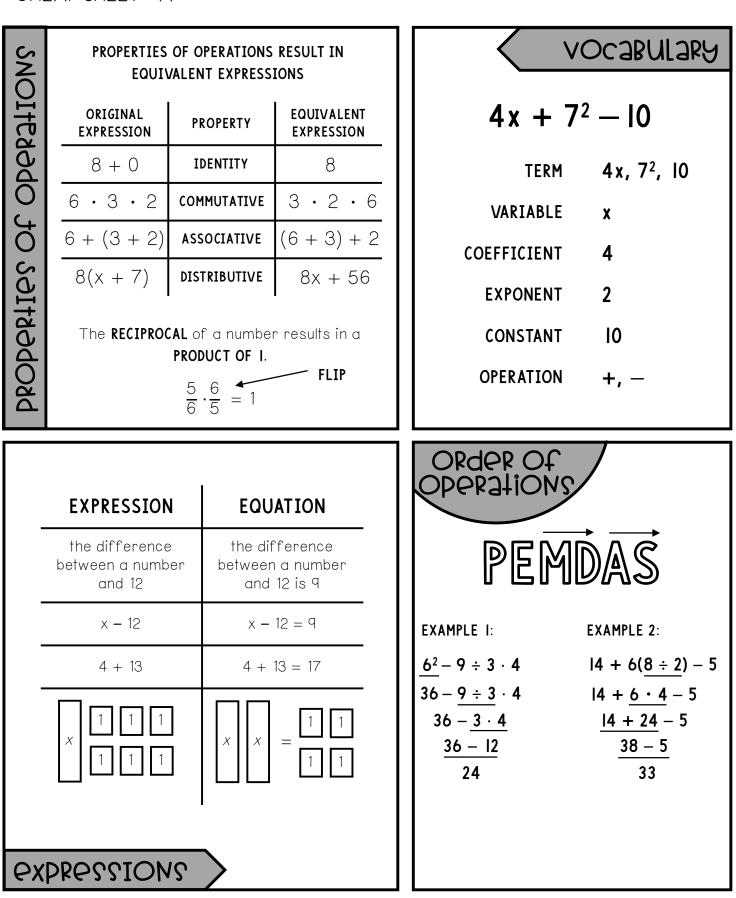


Days

### EXPRESSIONS CHEAT SHEET - A

Name	
------	--

Date \_\_\_\_\_

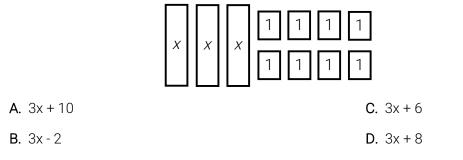


**EXPRESSIONS** Date Pd QUICK CHFCK 1. Which expression is equivalent to 4(2x + 3)? 1. (A) (B) (C) (D) 2. F) G (H) (J)**B** (C) (D) 3. (A) G (H) (J)4. (F) **A**. 4 + 2x + 4 +3 **B**. 8x + 12 **C**. 8x + 3 **D.** 4 + 2x + 12 5. A **B**  $\bigcirc$   $\bigcirc$ G (H) (J)6. (F) 2. Amanda simplifies the following expression and shows her work below. What mistake did Amanda make that resulted in an incorrect answer? 7. A B  $\bigcirc$   $\bigcirc$  $34 - 8 \div 2 + 3 \cdot 4$ 8. (F) G (H) (J) $34 - 4 + 3 \cdot 4$ 9. (A) (B) (C) (D)  $34 - 7 \cdot 4$ 10. Use the grid below. 34 - 28 6 ( + )0 00  $\bigcirc$ 

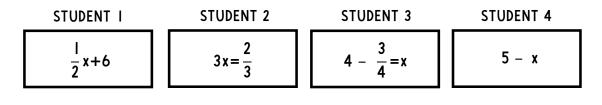
- F. she added before multiplying
- H. she multiplied before dividing
- G. she subtracted before adding J. she added before dividing

Name \_\_\_\_\_

3. Which of the following expressions is best represented by the model below?



4. Four students write algebraic expressions and equations on their white board. Which of the students wrote expressions?



H. Students 1, 3, and 4

J. Students 2 and 4

•

4

6

Θ  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$ 

> 2 2 2 2

3

4

5

6

7

8 8 8 8

(9) 9 (9) (9)

3 3 3

4 4

5 5 5

6 6

 $\bigcirc$  $\bigcirc$  $\bigcirc$  0 0

 $\bigcirc$  $\bigcirc$ 

2 2

3

4 4

5 5

6

7

8 8

(9) 9

3

6

 $\bigcirc$ 

6. Sara and her friends go to a football game and get snacks from the concessions. She uses various pictures to show what they ordered. Which of the following expressions best represents their order?
<ul> <li>F. 4d + h +2f</li> <li>G. 4d + 2h + 2f</li> <li>H. h + 2f + 5d</li> <li>J. 2h + 4f + 3d</li> </ul>
8. The expression below is evaluated when $x = 9$ , $y = 3$ , and $z = 2$ . What is the value of the expression?
$8x - z^2 + 2y$
F. 38 G. 16 H. 72 J. 74
10. Determine the value of the expression below.
$9 + 3(10 \div 2) + 5^2$ Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

## EQUATIONS AND INEQUALITIES

CHEAT SHEET - A

Name _	
Date _	 Pd

SOLVING EQUAL Use INVERSE OPERATIONS to U • undo addition or subtraction • undo multiplication or divis • isolate the variable • check your work	UNDO the equation. on <u>6 x</u> sion 6	x=36     • To       6     • If	E STEPS as /ING EQUATION at is within the c equality and plug	rk, choose a value onstraints of the
		ED	2x > 20 x > 10	CHECK✓ 2(11) > 20 22 > 20
<ul> <li>Remember that inequalities.</li> <li>Less than</li> <li>is fewer than</li> <li>is smaller than</li> <li>below</li> </ul>	equal to • maximum • at most • is not more than	<ul> <li>greater than or equal to</li> <li>minimum</li> <li>at least</li> <li>is not less than</li> <li>is not smaller than</li> </ul>	ent inequality sy   greater than  is more than  is larger than  above	• equal • is
person	e situation (total co otal cost <b>75</b>	,	difference in we	ight, etc).

#### EQUATIONS AND INEQUALITIES QUICK CHECK

Name \_\_\_\_\_ Date

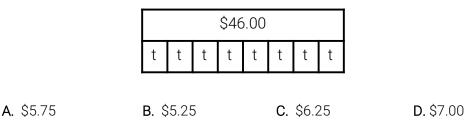
1. Ms. Sung budgets a maximum of \$320 per month for groceries. She grocery shops 4 times a month. Which inequality can be used to find the possible values of x, the amount she can spend at the grocery store during each shopping trip?

A. 4 + x < 320B.  $4x \le 320$ C.  $4x \ge 320$ D. 4 + x > 320

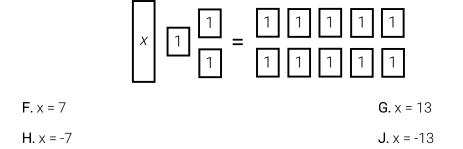
2. If x = 5, then which inequality is true?

F.  $2x \ge 12$ G. x - 2 < 7H. 2x > 12J. x - 7 > 2

3. The entrance fee to the children's museum was a total of \$46.00 for eight tickets. The model below shows the relationship. What was the entrance fee for one ticket?



4. An equation is modeled below using algebra tiles. Which value of x makes the equation true?

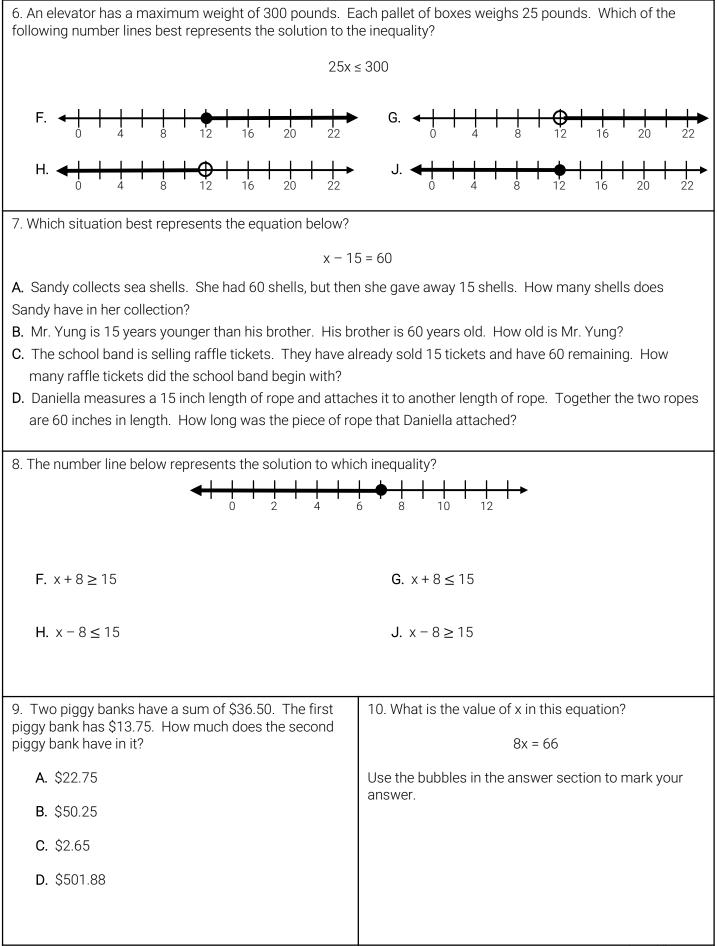


5. Margo must sell at least 38 tubs of cookie dough to support the student council fundraiser. She has already sold 19 tubs of cookie dough. Which inequality best represents the number of tubs of cookie dough Margo still needs to sell?

<b>A.</b> x + 19 > 38	В.	$x + 19 \le 38$
<b>C</b> . x + 19 < 38	D.	$x + 19 \geq 38$

1.	A	B		$\bigcirc$	U				
2.	F	G	) (	Ð	J				
3.	A	B		C	D				
4.	F	G	) (	Đ	J				
5.	A	B		C	D				
б.	F	G	) (	Đ	J				
7.	A	B		C	D				
8.	F	G	) (	Ð	J				
9.	A	B		C	D				
10	10. Use the grid below.								
$\oplus$	0	0	0	0		0	0		
Θ		$\bigcirc$	$\bigcirc$	$\bigcirc$		$\bigcirc$	$\bigcirc$		
	2	2	2	2		2	2		
	3	3	3	3		3	3		
	4	4	4	4		4	4		
	5	5	5	5		5	5		
	6	6	6	6		6	6		
	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$		7	$\bigcirc$		
	8	8	8	8		8	8		
	®								

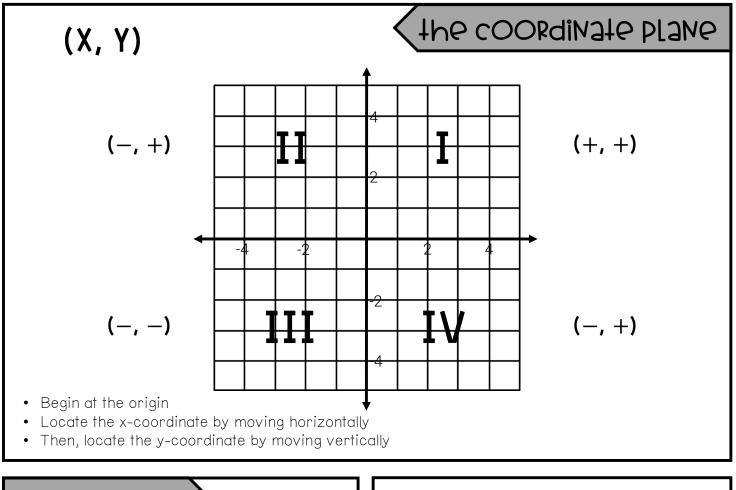
Pd



### THE COORDINATE PLANE

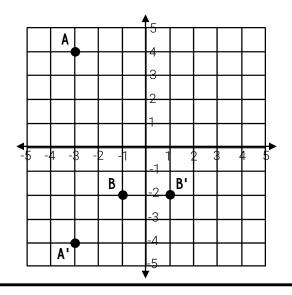
CHEAT SHEET - A

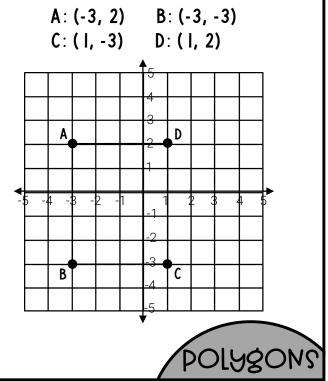
Name	 
Date	Pd
-	



### **Betlections**

A is reflected across the X-AXIS to A' B is reflected across the Y-AXIS to B'



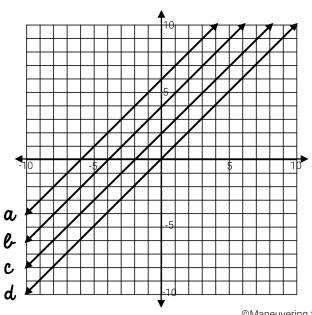


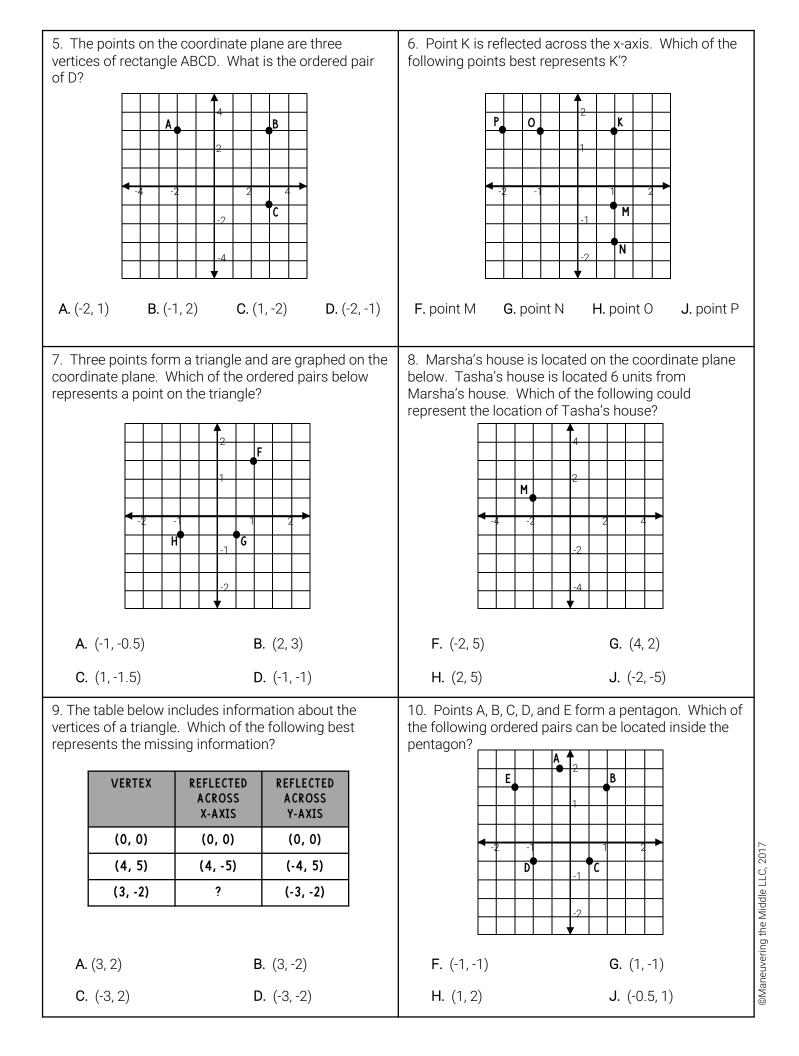
THE COORDINATE PLANE QUICK CHECK	Name Date	
1. The ordered pair (-7, 9) can be found in which quadrant?		1. A B C D
	D Quedrant IV	2. F G H J
A. Quadrant I B. Quadrant II C. Quadrant III	D. Quadrant IV	3. A B C D
2. Point E is reflected across the y-axis. Which ordered pair be	st represents F'?	4. (F) (G) (H) (J)
		5. A B C D
		6. 🖲 Ġ 🕀 J
F. (5, -7)		7. A B C D
<b>G</b> . (-7, 5)		8. F G H J
H. (-5, -7)		9. A B C D
<ul> <li>4-10</li> <li>-5</li> <li>-5</li> <li>-5</li> <li>-7</li> <l< td=""><td></td><td>10. Ē Ġ H J</td></l<></ul>		10. Ē Ġ H J

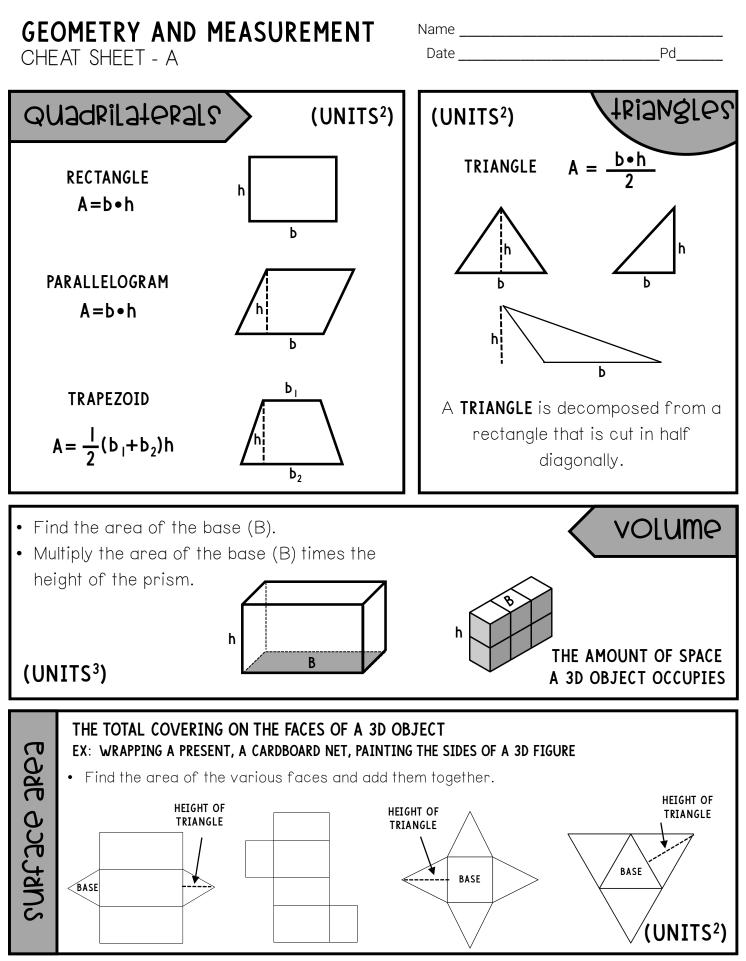
3. Jeremy plots the points (4, 3) and (4, -6) on the coordinate plane. Which of the following statements best describes the points he plotted?

- A. the points form a vertical line segment that measures 9 units
- B. the points form a horizontal line segment that measures 7 units
- C. the points form a vertical line segment that measures 7 units
- D. the points form a horizontal line segment that measures 9 units
- 4. Which line contains the ordered pair (-2, 4)?
- F. line A

- G. line B
- H. line C
- J. line D



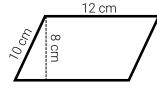




#### GEOMETRY AND MEASUREMENT QUICK CHECK

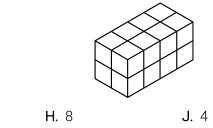
Name \_\_\_\_\_ Date P

1. A parallelogram is shown below. Which equation best represents the formula for the area of the parallelogram?





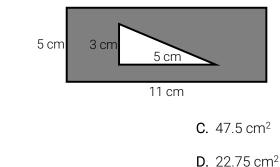
2. The rectangular prism below is filled with cubic units. Each unit measures  $\frac{1}{3}$ in<sup>3</sup>. How many unit cubes does it take to fill the rectangular prism?



2. A triangle is inceribed in a restangle as shown below. What is the cross of th

**G**. 16

3. A triangle is inscribed in a rectangle, as shown below. What is the area of the shaded region?



**J**. 190 cm<sup>2</sup>

4. F G (H) (J)5. A **B**  $\bigcirc$   $\bigcirc$ G 6. (F) (H) (J)7. A B  $\bigcirc$   $\bigcirc$ G 8. F (H) $(\mathbf{J})$ **B** 9. A  $\bigcirc$ (D)10. Use the grid below. •  $\oplus$ 0 00  $\bigcirc$ 0 0Θ  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$ 2 2 2 2 2 2 3 3 3 3 3 3 4 4 4 4 4 4 5 5 5 5 5 5 6 6 6 6 6 6  $\bigcirc$ 7  $\bigcirc$  $\bigcirc$ 7  $\bigcirc$ 8 8 (8) (8) 8 8 9 (9) (9) (9) (9) 9

4. The dimensions of the rectangular prism are shown on the net below. Which of the following is closest to the total surface area of the figure?

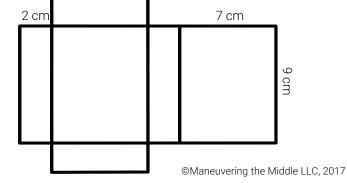
<b>F.</b> 85 cm <sup>2</sup>	G.	126 cm <sup>2</sup>

**F. 3**2

**A.** 40 cm<sup>2</sup>

**B.** 62.5 cm<sup>2</sup>

**H**. 63 cm<sup>2</sup>



Pd

(C) (D)

(H) (J)

 $\bigcirc$   $\bigcirc$ 

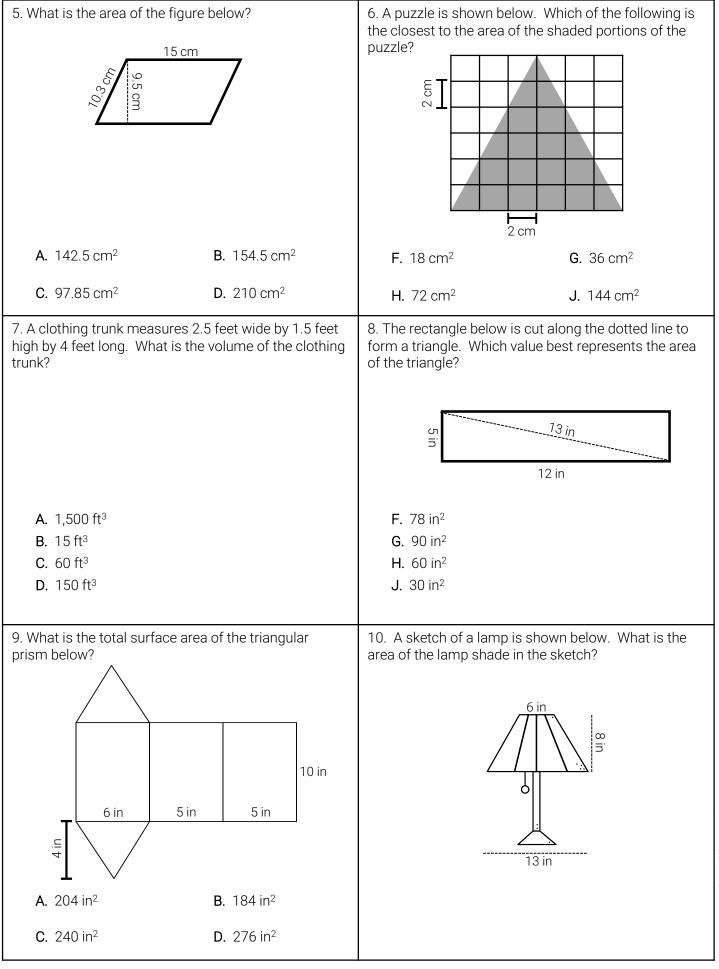
1. (A) (B)

G

B

2. F

3. A



### DATA AND STATISTICS

CHEAT SHEET - A

212121	-ICS	VOCAB	ULARY
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**MEAN**: the average

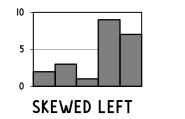
**MEDIAN**: middle value when ordered from least to greatest

MODE: most often repeated

**RANGE (SPREAD)**: the difference between the greatest and least values

**SHAPE**: describes the type of graph, including symmetric and skewed

**SYMMETRICAL DATA**: the data is evenly balanced around the mean

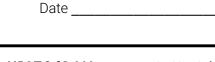


## BOX PLOIS BOX PLOTS are used to

MIN

compare the SPREAD and DISTRIBUTION in a set of data.

MODE



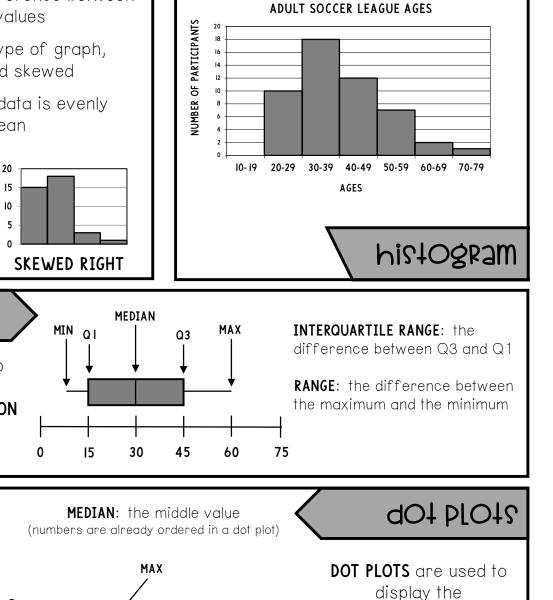
Name \_\_\_\_\_

**HISTOGRAM**: a graph that is used when data can be grouped into ranges

Pd

#### DISPLAYS THE FREQUENCY OF CONTINUOUS DATA

EX: WEIGHT, HEIGHT, TIME, AGE



display the SPREAD OF THE DATA along an axis.

#### DATA AND STATISTICS QUICK CHECK

Name \_\_

Date \_\_\_\_

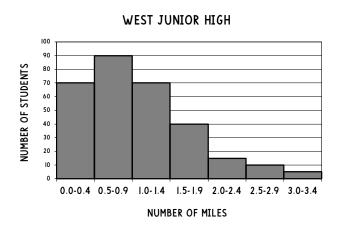
Pd

1. The number of points in the first five games of the football season are listed below. What is the mean number of points scored?						1. A B 2. F G	© H	D J	
	GAME I	GAME 2	GAME 3	GAME 4	GAME 5		3. A B	C	$\bigcirc$
	38	29	16	42	33		4. 🖲 🜀	(H)	J
			_				5. A B	BCD	$\bigcirc$
<b>A.</b> 33 <b>B.</b> 31.6		<b>B.</b> 31.6	C.	<b>C.</b> 26 <b>D.</b> 19		9	6. 🖲 🜀	(H)	J
								$\bigcirc$	D
2. Which of the following is likely to have the greatest variability?							8. F G	(H)	J
F. The cost of a piece of candy from a vending machine								C	D
G. The height of all the students at West Middle School							10. 🕞 🌀	(H)	J

H. The age of all the students in the sixth grade

 $\boldsymbol{\mathsf{J}}.$  The number of days in a month

3. A survey of sixth-grade students measured how many miles they traveled to school. The distance was complied and displayed in a histogram. Which of the following statements best describes the data?



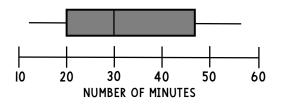
**A.** The data is skewed left, as most students live close to the school.

**B.** The data is symmetrical, as most students live far from the school.

**C.** The data is skewed right, as most students live close to the school.

**D.** The data is symmetrical, as most students live close to the school.

4. Students record the number of minutes they read each day. The box plot shows the summary of the results. Which statement best describes the data?



- F. A quarter of the students read for 20-30 minutes.
- G. The least number of students read less than 30 minutes.
- $\ensuremath{\text{H.}}$  Over half the students read for 40 minutes or more.
- J. The average number of minutes read was 47.

