

Grade 8 Week 3 Mini

1. _{1C} Which of the following is 532,000 written in scientific notation?

- A. 5.32×10^3
- B. 5.32×10^4
- C. 5.32×10^5
- D. 5.32×10^6

2. _{3B} Which percent is equal to $2\frac{16}{25}$?

- A. 216%
- B. 225%
- C. 241%
- D. 264%

3. _{4A} Ms. Candell has 4 plastic snowmen whose heights are:

$$58\frac{5}{12} \text{ inches} \quad 58\frac{3}{4} \text{ inches} \quad 58\frac{5}{6} \text{ inches} \quad 58\frac{2}{3} \text{ inches}$$

Which lists the snowmen in order from **tallest** to **shortest**?

- A. $58\frac{5}{12}$, $58\frac{3}{4}$, $58\frac{2}{3}$, $58\frac{5}{6}$
- B. $58\frac{2}{3}$, $58\frac{5}{6}$, $58\frac{5}{12}$, $58\frac{3}{4}$
- C. $58\frac{5}{6}$, $58\frac{5}{12}$, $58\frac{3}{4}$, $58\frac{2}{3}$
- D. $58\frac{5}{6}$, $58\frac{3}{4}$, $58\frac{2}{3}$, $58\frac{5}{12}$

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4. _{5A} Write a story problem that can be solved using this number sentence:

$$18.6 \times 24.5 = M$$

5. _{7B} Solve this problem.

$$59.1 \times 6.8 =$$

Grid in your answer.

0	0	0	0	0	.	0	0
1	1	1	1	1		1	1
2	2	2	2	2		2	2
3	3	3	3	3		3	3
4	4	4	4	4		4	4
5	5	5	5	5		5	5
6	6	6	6	6		6	6
7	7	7	7	7		7	7
8	8	8	8	8		8	8
9	9	9	9	9		9	9

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6. _{20C} The table below shows the prices of a gallon of milk at different stores.

Store	Price of a gallon of milk
Joe's Shop	\$1.99
The Convenience Store	\$2.40
Around the Corner Store	\$2.89
Milk Mart	\$3.25
The Happy Shopper	\$3.10
All U Need Place	\$2.75

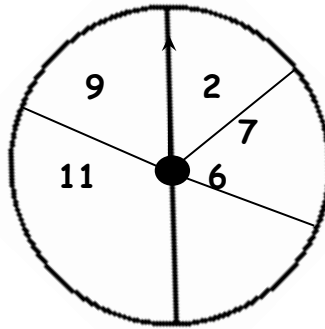
What is the range in the prices of milk?

Grid in your answer.

S								
	0	0	0	0	0	.	0	0
	1	1	1	1	1		1	1
	2	2	2	2	2		2	2
	3	3	3	3	3		3	3
	4	4	4	4	4		4	4
	5	5	5	5	5		5	5
	6	6	6	6	6		6	6
	7	7	7	7	7		7	7
	8	8	8	8	8		8	8
	9	9	9	9	9		9	9

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7. ^{21B} Sarah and Jorge will use the spinner below to play a game.



Sarah will get a point if the spinner lands on a prime number and Jorge will get a point if the spinner lands on a composite number.

Is this game fair? _____

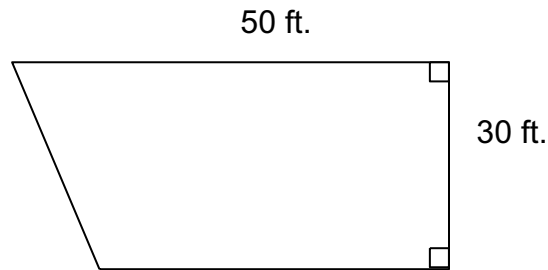
Explain how you determined your answer.

8. ^{24A} Jack, Travis, Allen, and Ray brought their baseball cards collection to school. Jack has 4 times as many cards as Travis. Allen has 6 times as many cards as Ray. Ray has 3 times as many cards as Travis. Which of these must be true?

- A. Allen has fewer cards than Travis.
- B. Travis has more cards than Ray.
- C. Jack has more cards than Allen.
- D. Ray has fewer cards than Jack.

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9. The diagram below show a piece of property the Delgado family owns.



The Delgados want to buy one of the following sheds to put on their property. The town they live in has a rule that a shed can cover **no more** than 15% of the area of the entire property.

Shed	Shape	Dimensions
A	Rectangle	8 ft. by 20 ft.
B	Rectangle	12 ft. by 24 ft.
C	Circle	Radius of 9 feet
D	Square	14-foot sides

The Delgados want to buy the largest shed they can. Which shed should they buy?

Explain why you chose the shed you did.

10. ^{23B} Sally has \$5.12 more than 3 times what John has. Sally has \$11.51. How much money does John have?

- A. \$2.13
- B. \$3.85
- C. \$15.36
- D. \$16.67