

Key

PSAT 8/9 Math Examples

1. $6.526 - 6.301 =$

$$\begin{array}{r} 6.526 \\ - 6.301 \\ \hline 0.225 \end{array}$$

.	2	2	5
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	0	0	0
1	1	<input type="radio"/>	1
2	<input checked="" type="radio"/>	<input checked="" type="radio"/>	2
3	3	3	3
4	4	4	4
5	5	5	<input checked="" type="radio"/>
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

2. $1\frac{4}{12} + 1\frac{7}{12} =$

$2\frac{11}{12}$ but no mixed #'s allowed

so...

$\frac{35}{12}$ not enough room

so... $2.916 \rightarrow 2.92$

2	.	9	2
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	0	0	0
1	1	1	1
<input checked="" type="radio"/>	2	2	<input checked="" type="radio"/>
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	<input checked="" type="radio"/>	9

3. Write a formula for the volume of a rectangular prism. If it is 6 in. high, 4 in. wide, and 4 in. long, what is the volume of the prism?

$$6 \times 4 \times 4 = 96 \text{ in}^3$$



align
any
way

4. Name a Prime Number that is less than 7?



can have one
of the following:

2, 3, 5

aligned any way.

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1 $6.526 - 6.301 =$

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

2. $1\frac{4}{12} + 1\frac{7}{12} =$

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

3. Joey built a cage for his hamster. It is 6in. high, 4in. wide and 4in. long. What is the volume of the cage?

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

4. Name a Prime Number that is less than 7?

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