May 2024

Dear Middle School Students,

Congratulations on completing another year of math! You have worked diligently and grown in your math skills. In order to keep up the momentum,we have provided practice opportunities as you prepare for Grade 6 - Grade 8 Math.

Please complete the assigned problems, show your work as needed on a separate sheet of paper, and attach your work to the math packet. Be sure to write your final answer in the numbered squares. Return the completed work to your math teacher when you return to school in September. **It will count as part of your homework grade for Trimester 1.**

We have also included computation practice. These problems will help keep your multiplication and division skills sharp. If you have any questions, please send us an email. Have a wonderful summer and we look forward to seeing you in September!

Sincerely,

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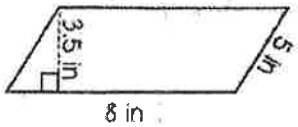
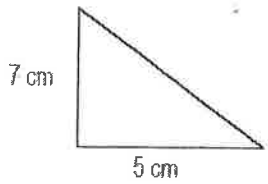
Skills Practice (Rising 8th)

Evaluate each expression.

1) $12m = 84.72$	2) $224 - 56.73$	3) Convert to a unit rate. $4.25 for 64 fluid ounces
4) $\frac{1\text{ cm}}{3\text{m}} = \frac{2.5\text{cm}}{h}$ $h =$ _____	5) Find the perimeter & area: 	6) $3.86 \cdot 9.15$
7) Find each percent of a number. 15% of 38 30% of 90	8) $\frac{y}{\frac{1}{2}} - 4 = \frac{3}{4}$	9) Find the mean, median, mode, and range. 85, 90, 75, 85, 95
10) Determine the area of the triangle.  A = _____ cm^2	11) Compare $<, =, >$ $0.0058 \bigcirc 5.8\%$	12) $9.25(18.4 - 2 \cdot 1.2)$

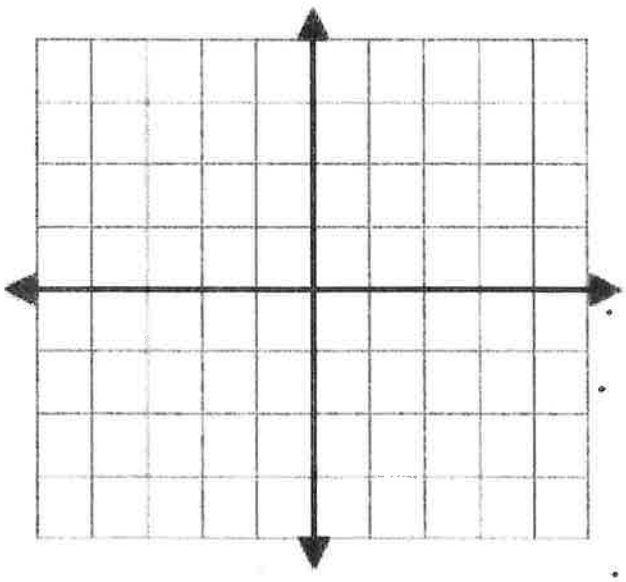
Solve each word problem, showing all work.

13) Jackie makes $15.25/hour babysitting. George makes $18.50/hour mowing the lawn. If Jackie babysits for 4 hours and George mows lawns for 3 hours, who makes more money? How much more does he/she make?	14) Jack can read 45 pages of his book in one and a half hours. At that rate, how long will it take him to read the entire 300-page book?

Rising 8th

Graph and label each of the ordered pairs in the coordinate plane. Then state the quadrant or axis in/on which the point is located.

55. A(2, 4)	56. B(0, -3)
57. C(1, -1)	58. D(3, 3)
59. E(-4, 1)	60. F(2, 0)
61. G(-3, -2)	62. H(-2, 3)
63. I(0, 2)	64. J(-1, -4)



Complete the chart by converting each number to a percent, fraction, and/or decimal.

Fraction	Decimal	Percent
34. $\frac{3}{8}$		
35.	0.45	
36.		72%
37.	0.1	
38. $\frac{3}{200}$		

(Rising 7th
Rising 8th)

Dividing by 1 to 12 (A)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

110 ÷ 10 =	28 ÷ 7 =	20 ÷ 2 =	18 ÷ 2 =
99 ÷ 11 =	24 ÷ 6 =	72 ÷ 12 =	24 ÷ 12 =
64 ÷ 8 =	11 ÷ 11 =	60 ÷ 12 =	60 ÷ 10 =
100 ÷ 10 =	36 ÷ 9 =	110 ÷ 11 =	36 ÷ 12 =
96 ÷ 12 =	14 ÷ 7 =	33 ÷ 3 =	6 ÷ 6 =
80 ÷ 8 =	24 ÷ 4 =	72 ÷ 9 =	9 ÷ 9 =
90 ÷ 10 =	10 ÷ 2 =	42 ÷ 7 =	45 ÷ 9 =
72 ÷ 8 =	16 ÷ 2 =	77 ÷ 11 =	27 ÷ 3 =
132 ÷ 12 =	55 ÷ 11 =	30 ÷ 6 =	77 ÷ 7 =
108 ÷ 9 =	108 ÷ 12 =	96 ÷ 8 =	50 ÷ 5 =
88 ÷ 8 =	99 ÷ 9 =	120 ÷ 10 =	9 ÷ 1 =
144 ÷ 12 =	15 ÷ 5 =	14 ÷ 2 =	21 ÷ 3 =
88 ÷ 11 =	16 ÷ 4 =	66 ÷ 6 =	12 ÷ 2 =
81 ÷ 9 =	32 ÷ 8 =	66 ÷ 11 =	42 ÷ 6 =
84 ÷ 12 =	3 ÷ 1 =	12 ÷ 3 =	50 ÷ 10 =
27 ÷ 9 =	40 ÷ 8 =	12 ÷ 4 =	20 ÷ 5 =
30 ÷ 3 =	6 ÷ 3 =	10 ÷ 5 =	70 ÷ 7 =
11 ÷ 1 =	4 ÷ 4 =	120 ÷ 12 =	63 ÷ 7 =
24 ÷ 2 =	132 ÷ 11 =	6 ÷ 2 =	33 ÷ 11 =
80 ÷ 10 =	25 ÷ 5 =	48 ÷ 12 =	18 ÷ 3 =
28 ÷ 4 =	32 ÷ 4 =	44 ÷ 4 =	54 ÷ 6 =
5 ÷ 1 =	40 ÷ 5 =	48 ÷ 8 =	21 ÷ 7 =
121 ÷ 11 =	16 ÷ 8 =	30 ÷ 5 =	30 ÷ 10 =
10 ÷ 1 =	18 ÷ 9 =	8 ÷ 2 =	12 ÷ 1 =
90 ÷ 9 =	35 ÷ 5 =	72 ÷ 6 =	48 ÷ 4 =

(Rising 7th+8th)

Multiplication Facts to 144 (A)

Name: _____ Date: _____ Score: ____ /100

Calculate each product.

7 × 9	3 × 11	4 × 12	8 × 11	5 × 11	12 × 10	6 × 4	12 × 2	2 × 2	10 × 9
6 × 8	4 × 7	10 × 4	5 × 10	6 × 12	3 × 10	10 × 6	9 × 11	6 × 2	5 × 4
2 × 9	2 × 8	9 × 9	3 × 3	6 × 7	4 × 8	8 × 8	5 × 8	2 × 11	6 × 11
6 × 3	2 × 4	5 × 12	2 × 3	7 × 7	9 × 12	11 × 10	9 × 3	11 × 11	8 × 10
6 × 6	5 × 7	10 × 2	8 × 3	4 × 11	4 × 9	6 × 9	12 × 8	11 × 12	3 × 4
8 × 7	12 × 12	7 × 11	6 × 5	8 × 9	3 × 12	10 × 7	4 × 4	5 × 3	7 × 2
9 × 5	3 × 7	5 × 5	7 × 12	2 × 5	10 × 10	8 × 5	3 × 4	10 × 12	9 × 6
8 × 8	6 × 5	3 × 9	10 × 6	2 × 12	9 × 4	11 × 11	2 × 5	2 × 9	6 × 3
12 × 9	11 × 9	4 × 5	5 × 12	8 × 6	3 × 12	7 × 2	2 × 3	5 × 5	9 × 9
9 × 5	7 × 8	3 × 11	10 × 5	12 × 7	10 × 3	11 × 12	4 × 7	3 × 3	7 × 9