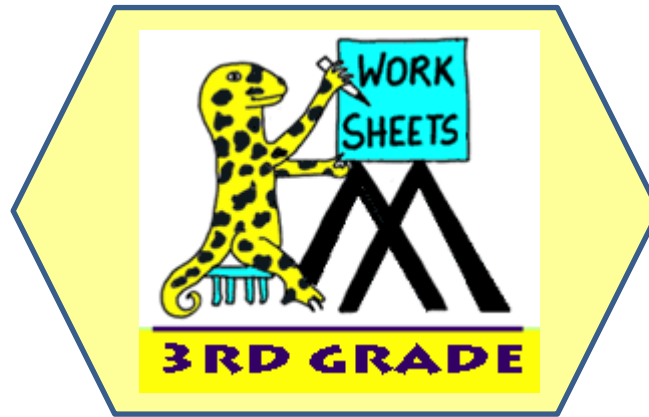


# MATH SALAMANDERS 3RD GRADE MATH GRAB PACK 6 ANSWERS



Here are answers to all the worksheets in 3rd Grade Math Grab Pack 6.

CONTENTS			
1	Convert to Standard Form Sheet 2	7	Find the Area Sheet 2
2	Arithmogon Triangle Puzzle 3A	8	Place It Right Challenge 3
3	Multiplication: 2-Digits by 1-Digit Sheet 2	9	Mental Math Quiz 3:6
4	Problem Solving: Tallest Lighthouse		
5	Quadra's Addition Square 3A		
6	Fraction Number Lines 1		

Please give us feedback on our pack – both what you liked and what sheets you would like to see more of by leaving a comment on the link below.

<https://www.math-salamanders.com/math-grab-packs.html>



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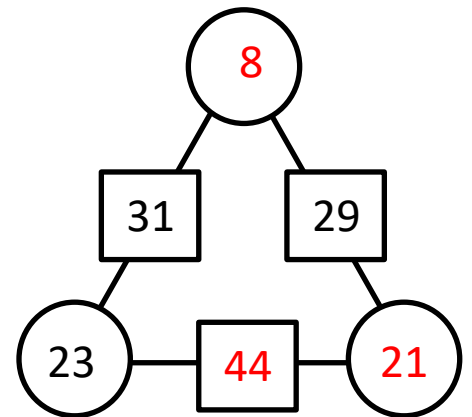
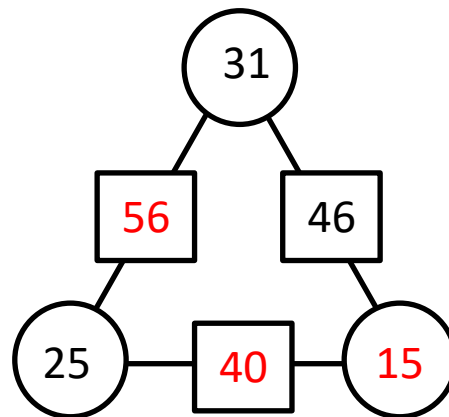
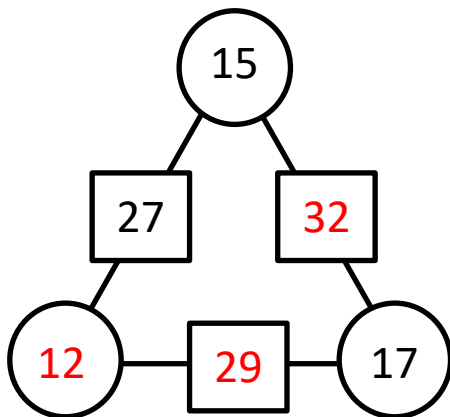
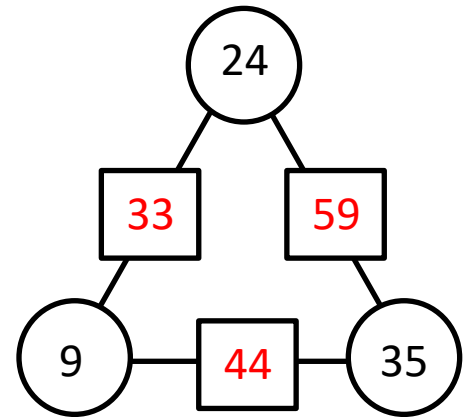
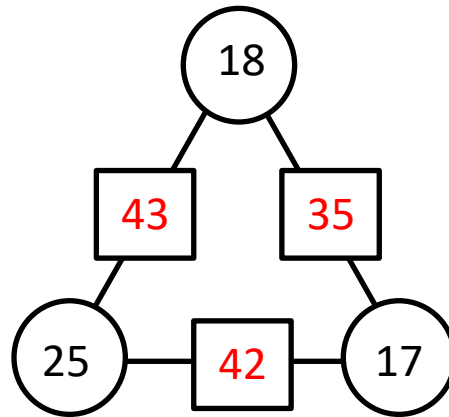
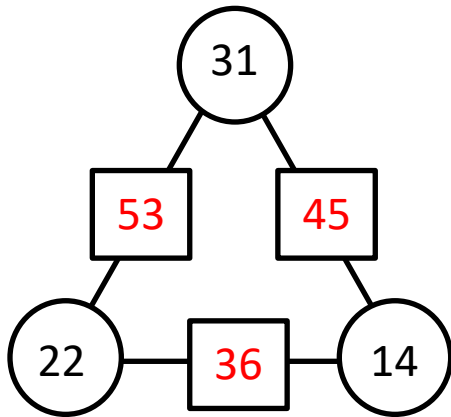
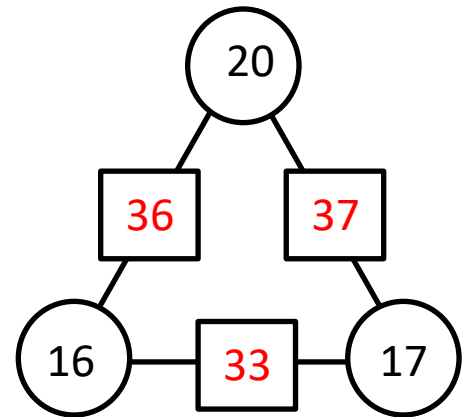
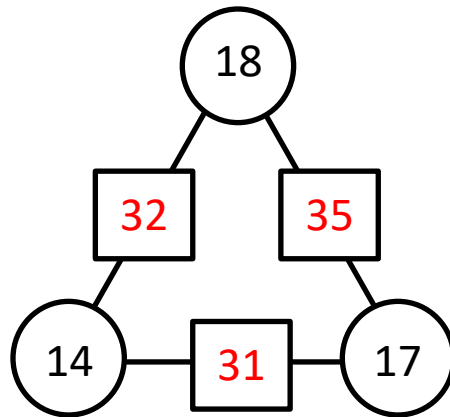
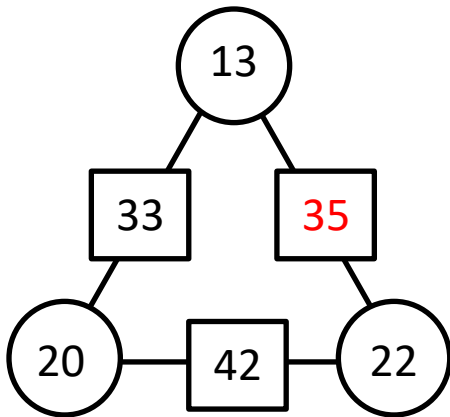
## CONVERT TO STANDARD FORM 4 DIGITS

### SHEET 2 ANSWERS

- |                             |             |                              |             |
|-----------------------------|-------------|------------------------------|-------------|
| 1) $1000 + 300 + 20 + 6 = $ | <u>1326</u> | 21) $6000 + 200 + 4 = $      | <u>6204</u> |
| 2) $2000 + 100 + 60 + 4 = $ | <u>2164</u> | 22) $8000 + 300 + 20 + 5 = $ | <u>8325</u> |
| 3) $4000 + 500 + 20 + 3 = $ | <u>4523</u> | 23) $9000 + 20 + 8 = $       | <u>9028</u> |
| 4) $7000 + 100 + 30 + 9 = $ | <u>7139</u> | 24) $4000 + 30 + 9 = $       | <u>4039</u> |
| 5) $5000 + 600 + 80 + 3 = $ | <u>5683</u> | 25) $6000 + 200 + 45 = $     | <u>6245</u> |
| 6) $9000 + 100 + 50 + 2 = $ | <u>9152</u> | 26) $8000 + 400 + 56 = $     | <u>8456</u> |
| 7) $3000 + 200 + 60 + 7 = $ | <u>3267</u> | 27) $1000 + 600 + 23 = $     | <u>1623</u> |
| 8) $8000 + 400 + 30 + 1 = $ | <u>8431</u> | 28) $5000 + 200 + 76 = $     | <u>5276</u> |
| 9) $7000 + 200 + 60 = $     | <u>7260</u> | 29) $6000 + 321 = $          | <u>6321</u> |
| 10) $4000 + 100 + 90 = $    | <u>4190</u> | 30) $2000 + 178 = $          | <u>2178</u> |
| 11) $8000 + 500 + 20 = $    | <u>8520</u> | 31) $7000 + 684 = $          | <u>7684</u> |
| 12) $6000 + 700 + 4 = $     | <u>6704</u> | 32) $9000 + 109 = $          | <u>9109</u> |
| 13) $5000 + 300 + 2 = $     | <u>5302</u> | 33) $6000 + 140 + 2 = $      | <u>6142</u> |
| 14) $9000 + 400 + 8 = $     | <u>9408</u> | 34) $8000 + 420 + 6 = $      | <u>8426</u> |
| 15) $2000 + 80 + 4 = $      | <u>2084</u> | 35) $3000 + 690 + 1 = $      | <u>3691</u> |
| 16) $1000 + 60 + 9 = $      | <u>1069</u> | 36) $7500 + 56 = $           | <u>7556</u> |
| 17) $4000 + 50 + 3 = $      | <u>4053</u> | 37) $5100 + 35 = $           | <u>5135</u> |
| 18) $3000 + 200 + 6 = $     | <u>3206</u> | 38) $6700 + 23 = $           | <u>6723</u> |
| 19) $7000 + 500 + 30 = $    | <u>7530</u> | 39) $9600 + 84 = $           | <u>9684</u> |
| 20) $1000 + 70 + 3 = $      | <u>1073</u> | 40) $2700 + 3 = $            | <u>2703</u> |



## ARITHMOGON TRIANGLE PUZZLE 3A ANSWERS



## MULTIPLICATION: 2-DIGITS BY 1-DIGIT SHEET 2 ANSWERS

$$\begin{array}{r} 1) \quad 52 \\ \times \quad 3 \\ \hline 156 \end{array}$$

$$\begin{array}{r} 2) \quad 78 \\ \times \quad 4 \\ \hline 312 \end{array}$$

$$\begin{array}{r} 3) \quad 35 \\ \times \quad 5 \\ \hline 175 \end{array}$$

$$\begin{array}{r} 4) \quad 64 \\ \times \quad 2 \\ \hline 128 \end{array}$$

$$\begin{array}{r} 5) \quad 91 \\ \times \quad 3 \\ \hline 273 \end{array}$$

$$\begin{array}{r} 6) \quad 57 \\ \times \quad 4 \\ \hline 228 \end{array}$$

$$\begin{array}{r} 7) \quad 29 \\ \times \quad 5 \\ \hline 145 \end{array}$$

$$\begin{array}{r} 8) \quad 62 \\ \times \quad 3 \\ \hline 186 \end{array}$$

$$\begin{array}{r} 9) \quad 78 \\ \times \quad 2 \\ \hline 156 \end{array}$$

$$\begin{array}{r} 10) \quad 37 \\ \times \quad 4 \\ \hline 148 \end{array}$$

$$\begin{array}{r} 11) \quad 86 \\ \times \quad 3 \\ \hline 258 \end{array}$$

$$\begin{array}{r} 12) \quad 59 \\ \times \quad 5 \\ \hline 295 \end{array}$$

$$\begin{array}{r} 13) \quad 77 \\ \times \quad 4 \\ \hline 308 \end{array}$$

$$\begin{array}{r} 14) \quad 53 \\ \times \quad 4 \\ \hline 212 \end{array}$$

$$\begin{array}{r} 15) \quad 68 \\ \times \quad 3 \\ \hline 204 \end{array}$$



## PROBLEM SOLVING - TALLEST LIGHTHOUSES (METRIC)

### ANSWERS

Lighthouse	Height (m)	Order of height
Ile Vierge	83	4
Jeddah Light	133	1
Lighthouse of Genoa	77	5
Perry Memorial Monument	107	2
Phare de Gatteville	75	6
Yokohama Marine Tower	101	3

- Use these facts to complete the table above:
  - The Lighthouse of Genoa is 6m lower than the Ile Vierge.
  - The Jeddah Light is 26m higher than the Perry Memorial Monument.
  - The Yokohama Marine Tower is 18m higher than the Ile Vierge.
- Fill in the order of height from 1 to 6, with 1 being the tallest.
- How much taller is the Perry Memorial Monument than the Phare de Gatteville? **32m**
- How much shorter is the Ile Vierge than the Jeddah Light? **50m**
- Tyger says "The Jeddah Light is more than double the height of the shortest tower." Is he correct?  **$75 \times 2 = 150\text{m}$ . Jeddah = 133m. He is wrong!**
- Which tower is closest to 90m in height? **Ile Vierge (7m away)**
- Tyger says "If you put three Yokohama towers on top of each other, it would make about 300m." Is he correct?  **$101\text{m} \times 3 = 303\text{m}$ . He is correct.**

## QUADRA'S ADDITION SQUARE 3A ANSWERS

There are 8 possible solutions, two of which are shown below.

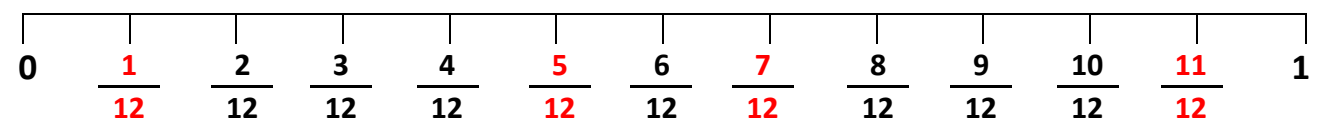
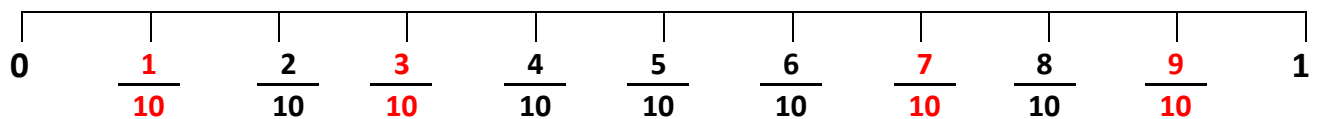
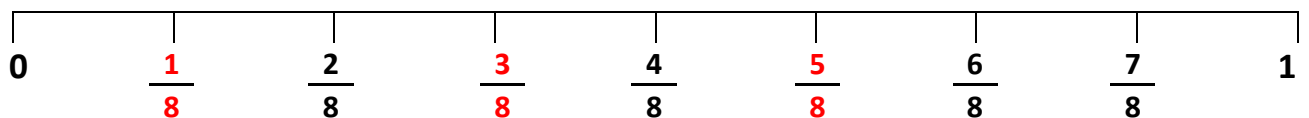
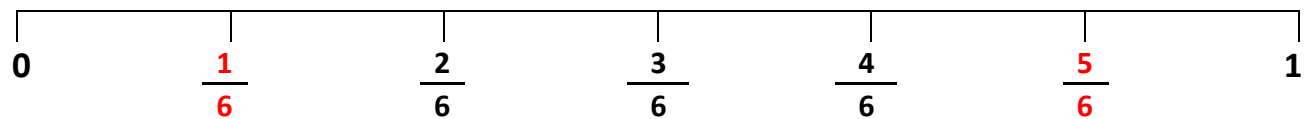
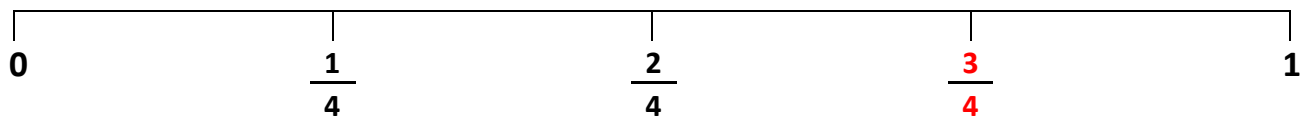
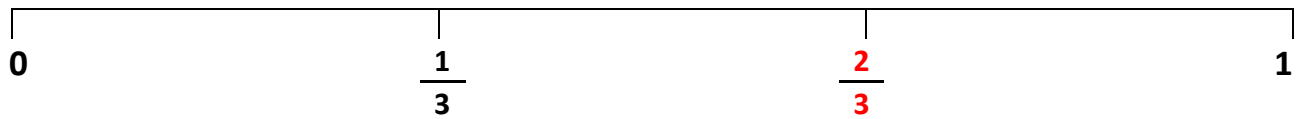
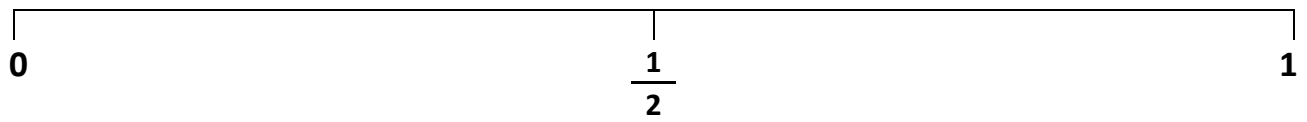
The other 6 solutions are simply 'rotations' of these two solutions.

2	8	6
14		10
12	16	4

2	14	12
8		16
6	10	4

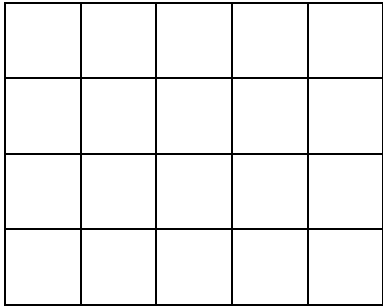


# FRACTION NUMBER LINES 1 ANSWERS



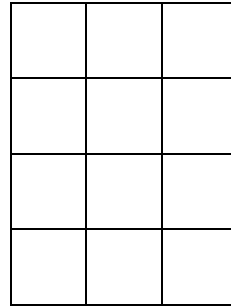
## FIND THE AREA SHEET 2 ANSWERS

1)



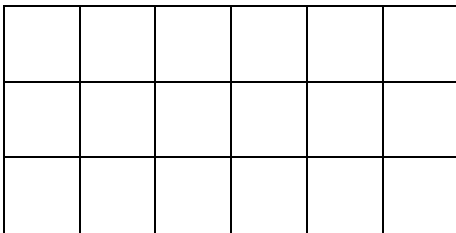
$$\text{Area} = 5 \times 4 = 20 \text{ square cm}$$

2)



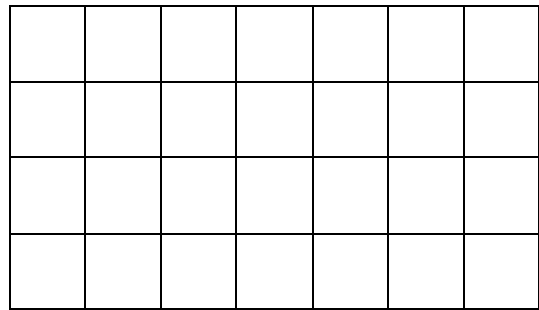
$$\text{Area} = 3 \times 4 = 12 \text{ square cm}$$

3)



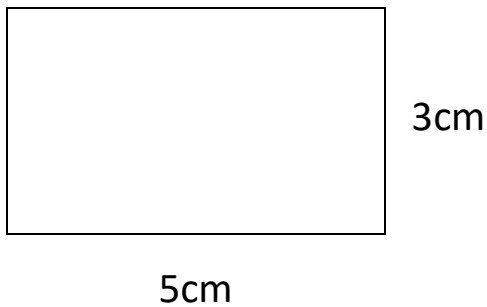
$$\text{Area} = 6 \times 3 = 18 \text{ square cm}$$

4)



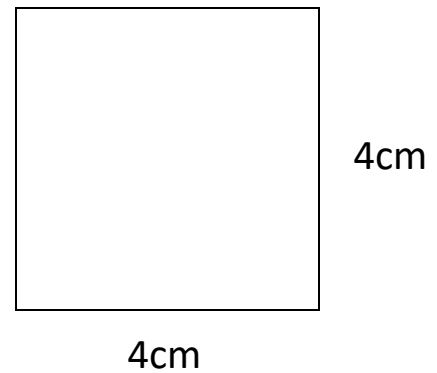
$$\text{Area} = 7 \times 4 = 28 \text{ square cm}$$

5)



$$\text{Area} = 3 \times 5 = 15 \text{ square cm}$$

6)

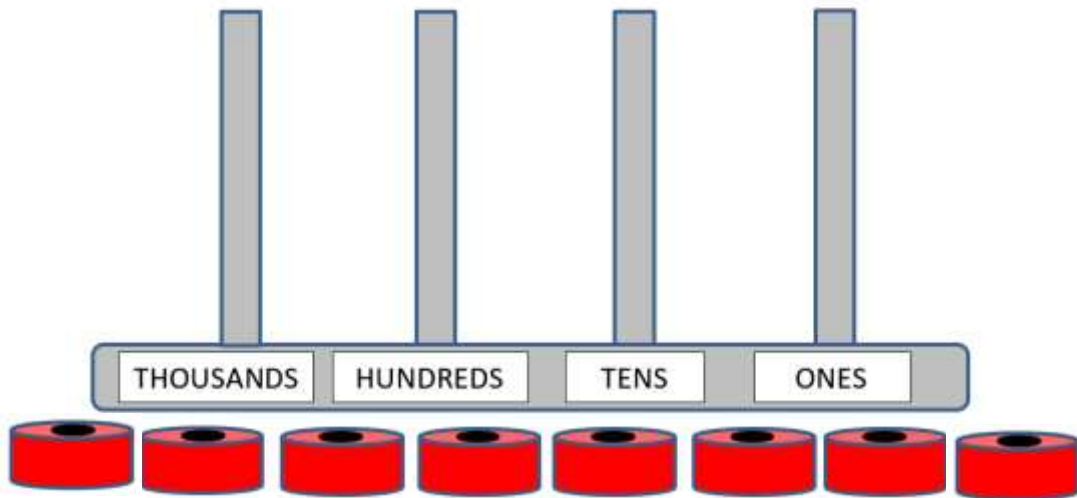


$$\text{Area} = 4 \times 4 = 16 \text{ square cm}$$





## PLACE IT RIGHT CHALLENGE 3 ANSWERS



- Use your place value skills to put the beads in the correct place.
- **Use 8 beads each time.**

1) What is the largest number you can make? 8000

2) What is the smallest 4 digit number you can make? 1007

3) Make a number between 1300 and 1350.

1304 or 1313 or 1322 or 1331 or 1340

4) Write down all the numbers you can make between 3300 and 3500.

3302, 3311, 3320, 3401, 3410, 3500

5) Make a number as close to 1200 as you can. 1205



6) Make a number as close to 4800 as you can. 5003

7) What is the smallest odd number you can make? 17

8) What is the largest odd number you can make? 7001



# MENTAL MATH QUIZ 3:6 ANSWERS

1)	20 - 13	7
2)	How many sides does an octagon have?	8
3)	6 x 4	24
4)	Write down a multiple of 7 between 20 and 30.	21 or 28
5)	800 + 6	806
6)	Make 7 ten times bigger.	70
7)	What is the perimeter of this shape? <div style="text-align: center;">  <p>4 in.</p> <p>5 in.</p> </div>	18 in.
8)	What is $\frac{1}{2}$ as a decimal?	0.5
9)	What is the difference between 22 and 18?	4
10)	How much money? 	56¢
11)	How many minutes in $\frac{1}{4}$ of an hour?	15
12)	I am a 3d shape. I have 6 faces and all my faces are square. Who am I?	cube
13)	18 ÷ 6	3
14)	Round 864 to the nearest 10.	860
15)	In a school, a fourth of a class are boys. What fraction are girls?	$\frac{3}{4}$
16)	5 + 7 = ___ x 3	4