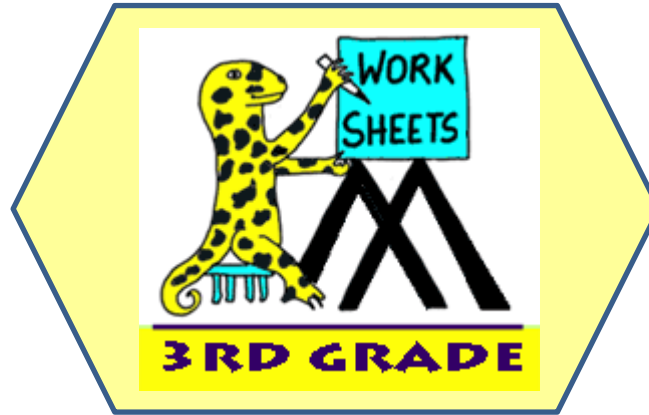


# MATH SALAMANDERS 3RD GRADE MATH GRAB PACK 4 ANSWERS



Here are answers to all the worksheets in 3rd Grade Math Grab Pack 4.

CONTENTS			
1	Place Value Conversion 4 Digits Sheet 1	7	Bar Graph Sheet 3A
2	Add & Subtract Roman Numerals to 12	8	Symmetry Color in Beetle
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5	Multiplication 2-Digits by 1-Digit Sheet 1		
6	Fraction Riddles 3A		

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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## PLACE VALUE CONVERSION 4-DIGITS SHEET 1 ANSWERS

*Work out these missing conversion facts*

1)	5 hundreds = <u>500</u> ones	2)	60 ones = <u>6</u> tens
3)	7 thousands = <u>70</u> hundreds	4)	30 tens = <u>3</u> hundreds
5)	60 ones = <u>6</u> tens	6)	3 thousands = <u>30</u> hundreds
7)	50 hundreds = <u>5</u> thousands	8)	1 thousand = <u>1000</u> ones
9)	8 hundreds = <u>800</u> ones	10)	40 ones = <u>4</u> tens
11)	4 thousands = <u>400</u> tens	12)	80 hundreds = <u>8</u> thousands
13)	30 tens = <u>300</u> ones	14)	<u>4</u> hundreds = 400 ones
15)	70 tens = <u>7</u> hundreds	16)	5 hundreds = <u>50</u> tens
17)	60 tens = <u>6</u> hundreds	18)	4000 ones = <u>4</u> thousands
19)	50 tens = <u>500</u> ones	20)	4000 ones = <u>40</u> hundreds
21)	<u>2</u> thousands = 200 tens	22)	<u>90</u> hundreds = 9 thousands

PUZZLE TIME – find the answer to the riddle below in the table!

- I am worth more than 30 hundreds.
- I am less than 7000 ones.
- My tens digit is greater than my ones.
- I am a multiple of 5.
- Who am I?

3726	<u>5290</u>	6423
7185	4428	5925

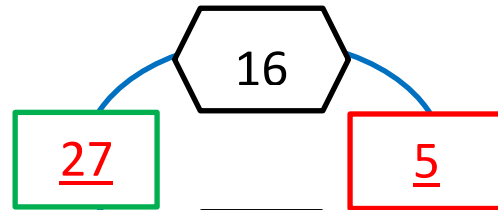
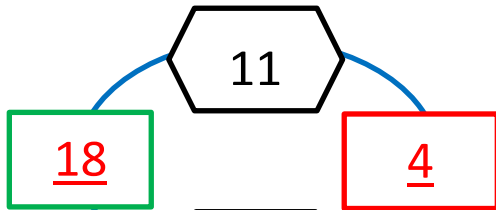
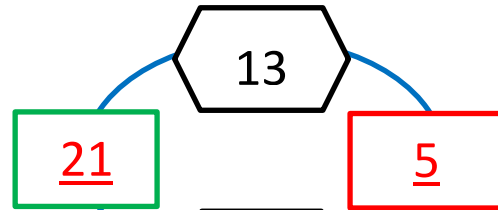
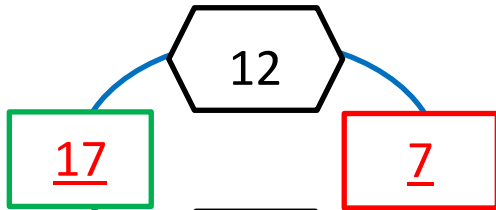
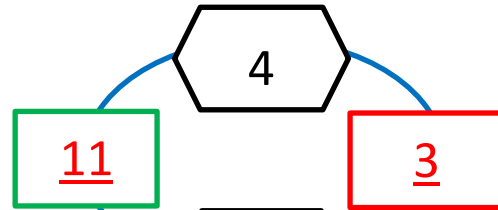
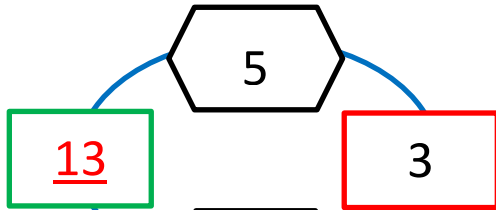


## ADD &amp; SUBTRACT ROMAN NUMERALS TO 12 ANSWERS

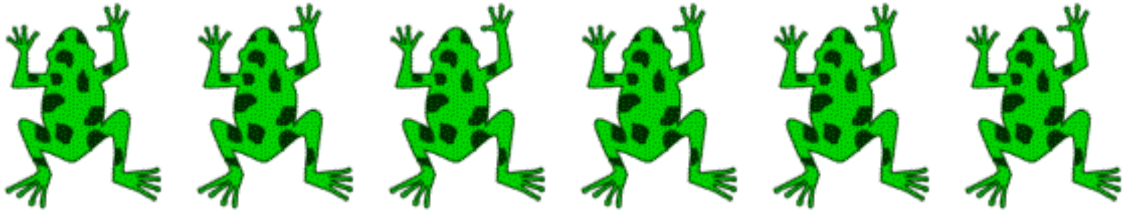
	NUMBER			NUMERALS
1)	III + III	=	6	= VI
2)	V - II	=	3	= III
3)	III + V	=	8	= VIII
4)	X - V	=	5	= V
5)	IX - II	=	7	= VII
6)	III + III	=	6	= VI
7)	I + IX	=	10	= X
8)	VIII - V	=	3	= III
9)	VI + III	=	9	= IX
10)	XII - II	=	10	= X
11)	X - VII	=	3	= III
12)	VI + VI	=	12	= XII
13)	IV + VII	=	11	= XI
14)	XII - X	=	2	= II
15)	IX - VII	=	2	= II
16)	III + V + IV	=	12	= XII

# TOTAL DIFFERENCE PUZZLE 3A ANSWERS

Work out the missing numbers in these puzzles.



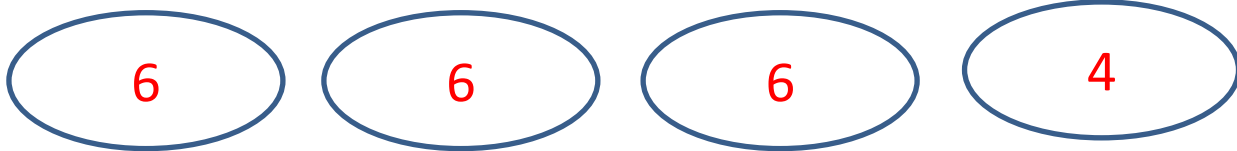
## FROGS IN PONDS ANSWERS



In each of the challenges below, there has to be a total of 22 frogs!

### Challenge 1

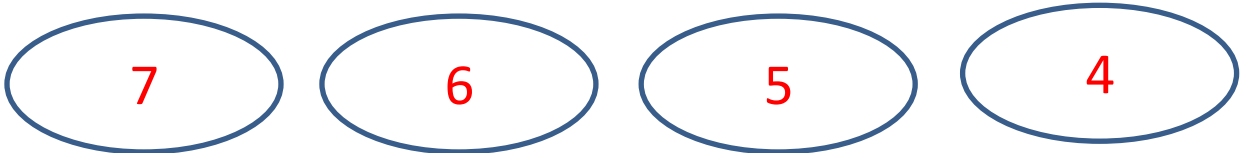
Fill each pond with either 4 or 6 frogs.



*Total: 22 frogs*

### Challenge 2

Make each pond hold one less frog than the one before.



*Total: 22 frogs*

### Challenge 3

Make each pond hold a different odd number of frogs.

*Total: 22 frogs*

There are 3 different answers:

1, 3, 5, 13

1, 3, 7, 11

1, 5, 7, 9



## MULTIPLICATION – 2 DIGITS BY 1 DIGIT SHEET 1 ANSWERS

$$\begin{array}{r} 1) \quad 32 \\ \times \quad 3 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 2) \quad 25 \\ \times \quad 2 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 3) \quad 13 \\ \times \quad 4 \\ \hline 52 \end{array}$$

$$\begin{array}{r} 4) \quad 16 \\ \times \quad 4 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 5) \quad 25 \\ \times \quad 3 \\ \hline 75 \end{array}$$

$$\begin{array}{r} 6) \quad 23 \\ \times \quad 2 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 7) \quad 86 \\ \times \quad 3 \\ \hline 258 \end{array}$$

$$\begin{array}{r} 8) \quad 83 \\ \times \quad 2 \\ \hline 166 \end{array}$$

$$\begin{array}{r} 9) \quad 95 \\ \times \quad 5 \\ \hline 475 \end{array}$$

$$\begin{array}{r} 10) \quad 76 \\ \times \quad 4 \\ \hline 304 \end{array}$$

$$\begin{array}{r} 11) \quad 38 \\ \times \quad 5 \\ \hline 190 \end{array}$$

$$\begin{array}{r} 12) \quad 57 \\ \times \quad 3 \\ \hline 171 \end{array}$$

$$\begin{array}{r} 13) \quad 40 \\ \times \quad 5 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 14) \quad 89 \\ \times \quad 4 \\ \hline 356 \end{array}$$

$$\begin{array}{r} 15) \quad 29 \\ \times \quad 3 \\ \hline 87 \end{array}$$



# FRACTION RIDDLES 3A ANSWERS

## CHALLENGE 1

- I am smaller than a half.
- My numerator is one.
- My denominator is more than 3.
- I am more than a fifth.

Who am I? Answer: B)  $\frac{1}{4}$

A $\frac{1}{2}$	B $\frac{1}{4}$	C $\frac{2}{3}$
D $\frac{1}{3}$	E $\frac{3}{4}$	F $\frac{1}{6}$

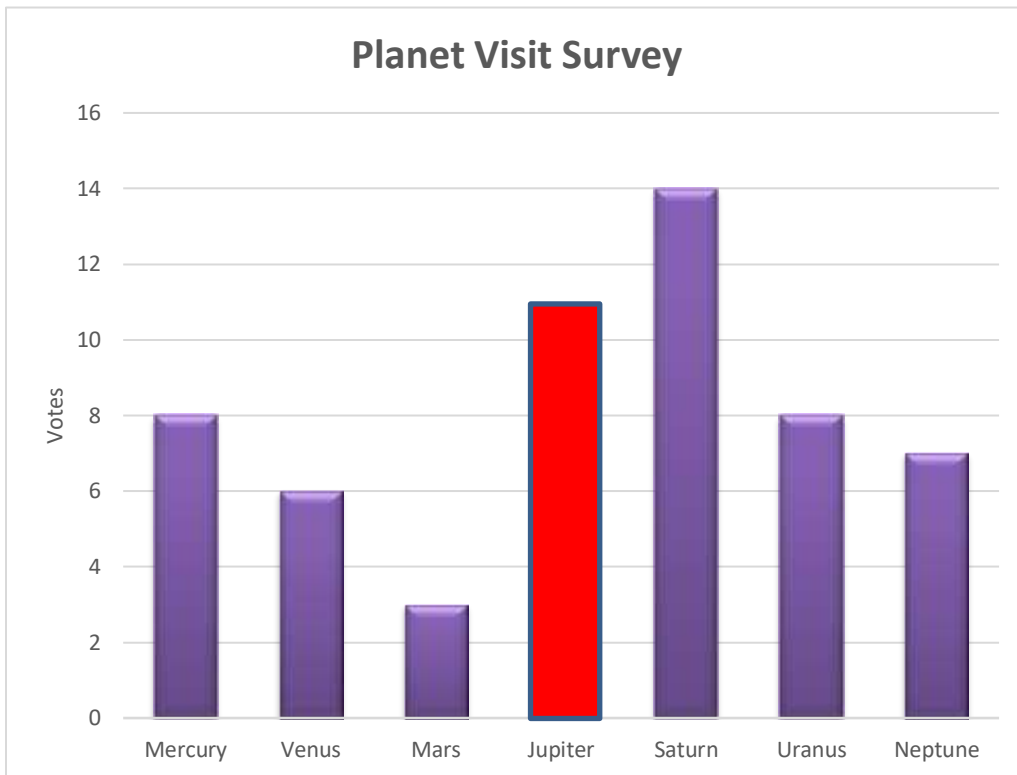
## CHALLENGE 2

- I am more than  $\frac{1}{4}$ .
- My denominator is not 4.
- I am not less than a half.
- My numerator more than 1.

Who am I? Answer: C)  $\frac{2}{3}$



## BAR GRAPHS SHEET 3A - PLANET SURVEY ANSWERS



Planet	Votes
Mercury	<u>8</u>
Venus	6
Mars	3
Jupiter	11
Saturn	14
Uranus	8
Neptune	<u>7</u>

- 1) Fill in the missing data in the table for Mercury and Neptune.
- 2) Draw a bar to show how many votes Jupiter got.
- 3) Which was the most popular planet to visit? Saturn
- 4) How many more votes did Saturn get than Uranus? 6
- 5) How many more votes did Mercury get than Mars? 5
- 6) Saturn got more votes than the 3 least popular planets. True or false? False. Mars + Venus + Neptune = 3+6+7 = 16. Saturn = 14
- 7) Which two planets got the same number of votes?

Mercury & Uranus



## PERIMETER SHEET 2 ANSWERS

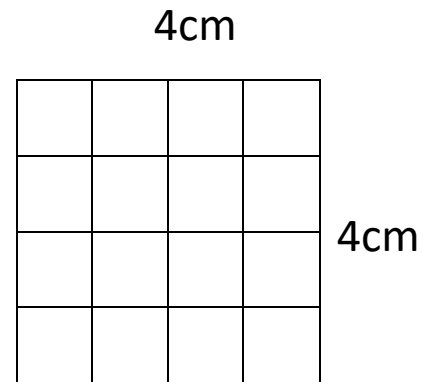
Work out the perimeter of the following rectangles:

1)



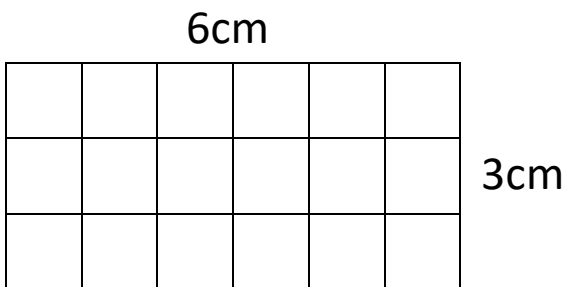
$$\text{Perimeter} = 5+2+5+2 = 14 \text{ cm}$$

2)



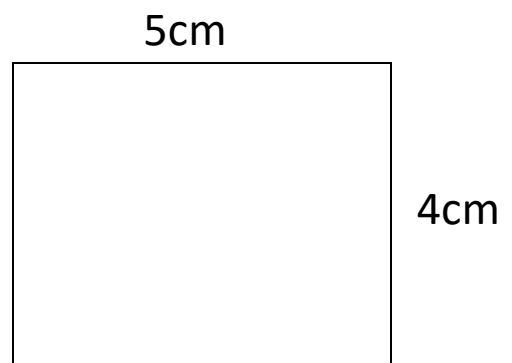
$$\text{Perimeter} = 4+4+4+4 = 16 \text{ cm}$$

3)



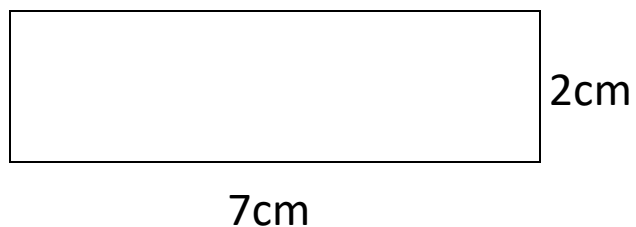
$$\text{Perimeter} = 6+3+6+3 = 18 \text{ cm}$$

4)



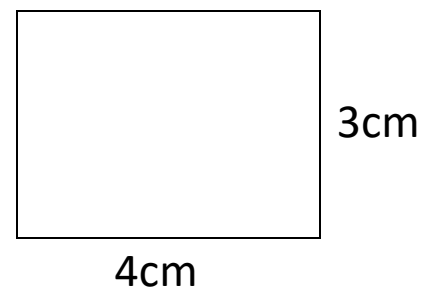
$$\text{Perimeter} = 5+4+5+4 = 18 \text{ cm}$$

5)



$$\text{Perimeter} = 7+2+7+2 = 18 \text{ cm}$$

6)



$$\text{Perimeter} = 4+3+4+3 = 14 \text{ cm}$$

## MULTIPLES SHEET 3:1 ANSWERS

1) Circle the numbers below that are multiples of 3.

26 17 **15** 7 **9** **12** 20

2) Circle the numbers below that are multiples of 5.

19 23 **30** **15** 7 **10** 33

3) Write down 2 different multiples of 4 between 10 and 18.

**12 and 16**

4) Write down 2 different multiples of 3 between 20 and 25.

**21 and 24**

5) Circle all the numbers below that are multiples of 10.

**80** 73 67 **40** **30** 94 **100**

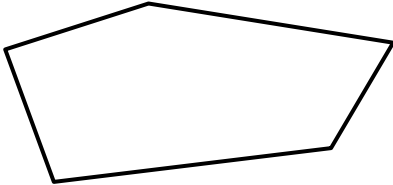
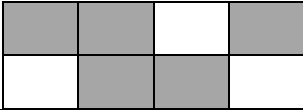
6) I am a multiple of 5. I am between 30 and 40. I am odd. Who am I?

Answer **35**

7) How many multiples of 3 are there between 10 and 20? **3**

**(they are 12, 15 and 18)**

# MENTAL MATH QUIZ 3:4 ANSWERS

1)	$3 \times \underline{\quad} = 30$	10
2)	Write down a multiple of 5 between 22 and 32	25 or 30
3)	$40 \div 10$	4
4)	$628 = 600 + \underline{\quad} + 8$	20
5)	Write down nine hundred fourteen	914
6)	What is the next number? 17, 21, 25, 29, 33, <u>      </u>	37
7)	How many vertices does this shape have? 	5
8)	How many 2s make 14?	7
9)	Round 165 to the nearest 10.	170
10)	What fraction of the shape below is shaded? 	$\frac{5}{8}$
11)	How much is 5 dimes and 3 nickels?	65¢
12)	$48 - \underline{\quad} = 42$	6
13)	The time is 3:40pm. What will the time be in half an hour?	4:10pm
14)	How many dimes make 80¢?	8
15)	A pencil costs 31¢. How much do 3 pencils cost?	93¢
16)	How many feet in 4 yards?	12