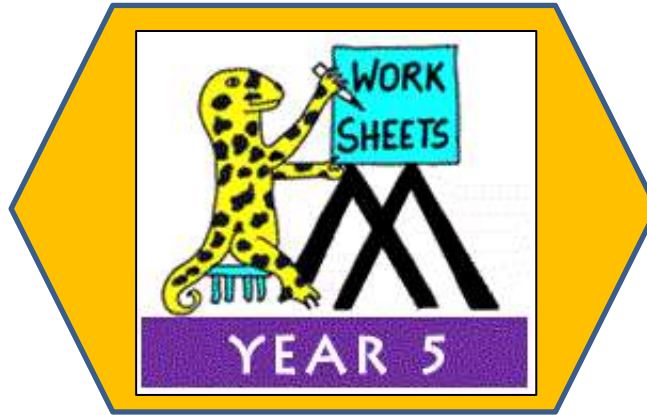


# MATH SALAMANDERS YEAR 5

## MATHS GRAB PACK 4 ANSWERS



Here are answers to the worksheets in Year 5 Maths Grab Pack 4.

CONTENTS			
1	Reading and Writing BIG Number 2	7	Row of Coins Challenges 4:2
2	Problem Solving Great Winged Wonders	8	Multiplication: 3-digits by 1-digit #1
3	Number Fill In Puzzle 4	9	Inequalities Sheet 4:1
4	Fraction Riddle 4B	10	Mental Math 5:4
5	Something Fishy #1		
6	Line Symmetry Sheet 7		

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/maths-grab-packs.html>

## READING AND WRITING BIG NUMBERS

### CHALLENGE 2 ANSWERS

Three hundred twenty-seven thousand, six hundred and nineteen **327,619**

Seven hundred forty-one thousand and ninety-three **741,093**

Two million, nine hundred thirty-six thousand and eighty-one **2,936,081**

Five hundred forty-two thousand, seven hundred and thirty **542,730**

Eight million, nine hundred one thousand, four hundred and seventy-three **8,901,473**

One million, four hundred six thousand, two hundred and seventy-one **1,406,271**

Five hundred seventeen thousand, four hundred and nine **517,409**

Twenty thousand, three hundred and fifty-seven **20,357**

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

ORDERING	
biggest	<b>8,901,473</b>
	<b>2,936,081</b>
	<b>1,406,271</b>
	<b>741,093</b>
	<b>542,730</b>
	<b>517,409</b>
	<b>327,619</b>
smallest	<b>20,357</b>



## PROBLEM SOLVING - GREAT WINGED WONDERS

### METRIC UNITS ANSWERS

Bird	Wingspan (m)	Nearest m	Order of wingspan
Albatross	3.72	4	1
Andean condor	3.20	3	3
Bearded vulture	2.83	3	4
Golden eagle	2.50	3	6
Great white pelican	3.60	4	2
White stork	1.80	2	8
Whooper swan	2.77	3	5
Whooping crane	2.29	2	7

1) Use the facts below to fill in the missing information:

- The wingspan of the golden eagle is 33cm shorter than the bearded vulture.
- The wingspan of the whooper swan is 48cm longer than the whooping crane.

2) Round the wingspans to the nearest metre, and then fill in the column on the table.

3) Put the wingspans in the correct order from largest (1) to smallest (8).

4) How much longer is the wingspan of the great white pelican compared to the white stork? **180** cm

5) How much shorter is the wingspan of the whooping crane than the bearded vulture? **54** cm

# NUMBER FILL IN PUZZLE 4 ANSWERS

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

3 DIGITS		4 DIGITS		5 DIGITS	
217	625	1524	5371	<del>14261</del>	41385
246	756	1594	6174	24173	71490
251	842	2652	6205	<del>34875</del>	75216
258	924	3861	7326	35420	90162
321	925	4528	8275		
328	961	4832	9527		
367		5290			



# FRACTION RIDDLES 4B ANSWERS

## CHALLENGE 1

- I am not more than a half.
- I am not equivalent to a half.
- I have the same value as a third.
- My numerator is odd.

Who am I? Answer: E)  $\frac{3}{9}$

A $\frac{3}{6}$	B $\frac{2}{5}$	C $\frac{4}{6}$	D $\frac{5}{10}$
E $\frac{3}{9}$	F $\frac{4}{8}$	G $\frac{4}{10}$	H $\frac{2}{6}$

## CHALLENGE 2

- My denominator is even.
- My numerator is a prime number.
- I am equivalent to a half.
- The value of my denominator is a quarter of 24.

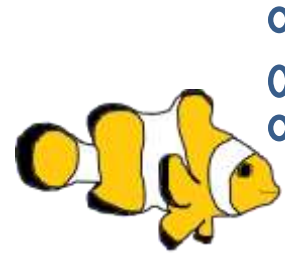
Who am I? Answer: A)  $\frac{3}{6}$



## SOMETHING FISHY #1! ANSWERS

A clownfish costs £15 to buy.

An angelfish costs £24 to buy.



Sally spends exactly £150 on some clownfish and some angelfish. She buys at least one of each.

How many of each type did she buy?

CLOWNFISH	ANGELFISH
£15	£24
£30	£48
£45	£72
£60	£96
£75	£120
£90	£144
£105	
£120	
£135	
£150	



The only possibility is :  
2 Clownfish and 5 Angelfish.

What if the angelfish were put in a half-price sale?

How many of each type could she have bought then? (There are two possible answers.)

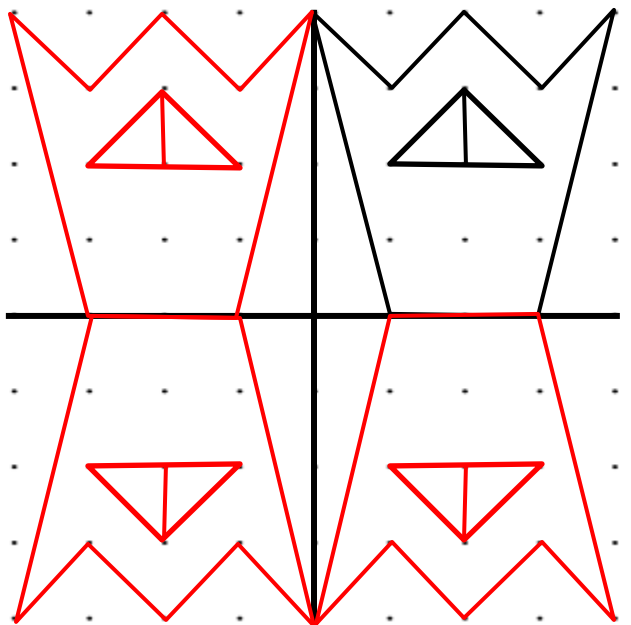
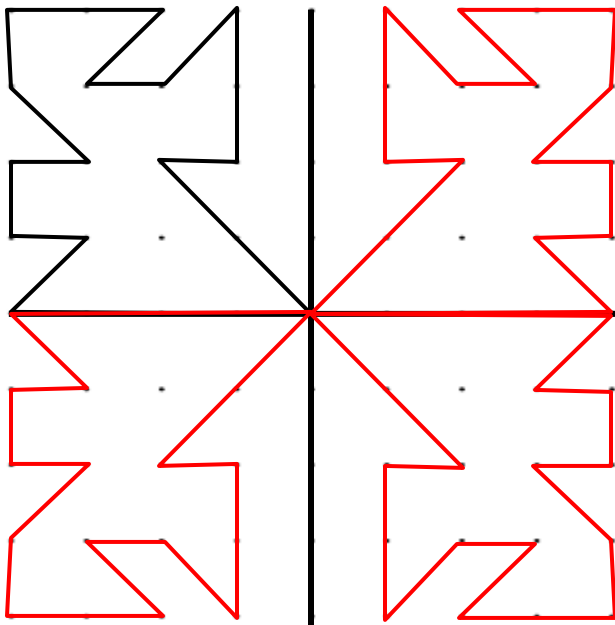
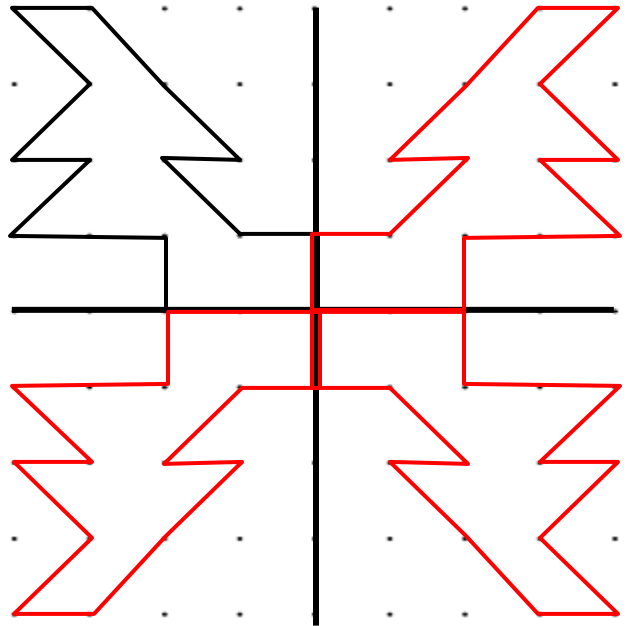
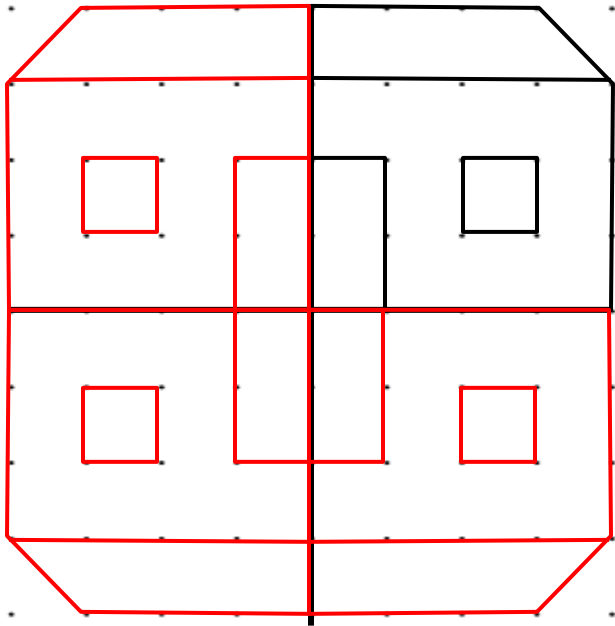
**Answer 1: 2 Clownfish and 10 Angelfish**

**Answer 2: 6 Clownfish and 5 Angelfish**



## LINE SYMMETRY SHEET 7 ANSWERS

Use the 2 mirror lines to complete the rest of these patterns.



# ROW OF COINS CHALLENGES 4:2 ANSWERS

## CHALLENGE A ANSWER



## CHALLENGE B ANSWER





## MULTIPLICATION: 3 DIGITS BY 1 DIGIT SHEET 1 ANSWERS

$$\begin{array}{r} 1) \quad 136 \\ \times \quad 2 \\ \hline 272 \end{array}$$

$$\begin{array}{r} 2) \quad 205 \\ \times \quad 4 \\ \hline 820 \end{array}$$

$$\begin{array}{r} 3) \quad 173 \\ \times \quad 3 \\ \hline 519 \end{array}$$

$$\begin{array}{r} 4) \quad 613 \\ \times \quad 4 \\ \hline 2452 \end{array}$$

$$\begin{array}{r} 5) \quad 524 \\ \times \quad 2 \\ \hline 1048 \end{array}$$

$$\begin{array}{r} 6) \quad 813 \\ \times \quad 3 \\ \hline 2439 \end{array}$$

$$\begin{array}{r} 7) \quad 386 \\ \times \quad 5 \\ \hline 1930 \end{array}$$

$$\begin{array}{r} 8) \quad 483 \\ \times \quad 3 \\ \hline 1449 \end{array}$$

$$\begin{array}{r} 9) \quad 695 \\ \times \quad 2 \\ \hline 1390 \end{array}$$

$$\begin{array}{r} 10) \quad 481 \\ \times \quad 4 \\ \hline 1924 \end{array}$$

$$\begin{array}{r} 11) \quad 276 \\ \times \quad 5 \\ \hline 1380 \end{array}$$

$$\begin{array}{r} 12) \quad 797 \\ \times \quad 3 \\ \hline 2391 \end{array}$$

$$\begin{array}{r} 13) \quad 804 \\ \times \quad 5 \\ \hline 4020 \end{array}$$

$$\begin{array}{r} 14) \quad 489 \\ \times \quad 4 \\ \hline 1956 \end{array}$$

$$\begin{array}{r} 15) \quad 625 \\ \times \quad 3 \\ \hline 1875 \end{array}$$

$$\begin{array}{r} 16) \quad 323 \\ \times \quad 4 \\ \hline 1292 \end{array}$$

$$\begin{array}{r} 17) \quad 618 \\ \times \quad 3 \\ \hline 1854 \end{array}$$

$$\begin{array}{r} 18) \quad 564 \\ \times \quad 5 \\ \hline 2820 \end{array}$$

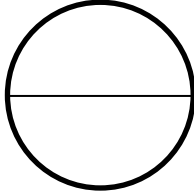
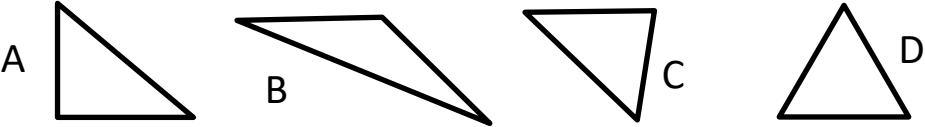


## INEQUALITIES SHEET 4:1 ANSWERS

1)	$4 \times 3$ <u>12</u>	>	$2 + 9$ <u>11</u>	11)	$29 + 17$ <u>46</u>	<	$6 \times 8$ <u>48</u>
2)	$30 - 17$ <u>13</u>	<	$2 \times 7$ <u>14</u>	12)	$28 \div 4$ <u>7</u>	=	$\frac{1}{2}$ of 14 <u>7</u>
3)	$\frac{1}{2}$ of 30 <u>15</u>	=	$5 \times 3$ <u>15</u>	13)	$40 \times 3$ <u>120</u>	=	$200 - 80$ <u>120</u>
4)	$30 \times 4$ <u>120</u>	<	$200 - 50$ <u>150</u>	14)	$4 \times 90$ <u>360</u>	>	$30 \times 10$ <u>300</u>
5)	$5 \times 9$ <u>45</u>	>	$17 + 27$ <u>44</u>	15)	$9 \times 5$ <u>45</u>	<	$100 - 45$ <u>55</u>
6)	$18 \div 6$ <u>3</u>	>	$21 - 19$ <u>2</u>	16)	$60 \times 7$ <u>420</u>	>	$500 - 90$ <u>410</u>
7)	$3 \times 9$ <u>27</u>	<	$100 - 72$ <u>28</u>	17)	$37 \times 10$ <u>370</u>	<	$600 - 220$ <u>380</u>
8)	$7 \times 6$ <u>42</u>	<	$37 + 14$ <u>51</u>	18)	$\frac{1}{2}$ of 280 <u>140</u>	=	$7 \times 20$ <u>140</u>
9)	$90 - 67$ <u>23</u>	<	$6 \times 4$ <u>24</u>	19)	$30 \times 8$ <u>240</u>	>	$10 \times 23$ <u>230</u>
10)	$\frac{1}{2}$ of 38 <u>19</u>	<	$3 \times 7$ <u>21</u>	20)	$7 \times 9$ <u>63</u>	<	$38 + 37$ <u>75</u>



# MENTAL MATHS QUIZ 5:4 ANSWERS

1)	$60 \times 8$	<b>480</b>
2)	$1 - \underline{\quad} = 0.72$	<b>0.28</b>
3)	$\frac{2}{3}$ of 24	<b>16</b>
4)	$10 \times (7 + 6)$	<b>130</b>
5)	Find the value of y if $y - 8 = 15$ .	<b>23</b>
6)	What is this part of the circle called? <i>diameter radius circumference sector</i>	 <b>diameter</b>
7)	$4 \frac{1}{4} + 3 + 5 \frac{1}{2}$	<b><math>12 \frac{3}{4}</math></b>
8)	In a class, $\frac{4}{7}$ of the children like football. What fraction do not like football?	<b><math>\frac{3}{7}</math></b>
9)	I am a triangle with 1 obtuse and 2 acute angles. Who am I? 	<b>B</b>
10)	What are the next two numbers: 1, 3, 6, 10, 15, 21, __, __	<b>28, 36</b>
11)	What is the probability of rolling a 3 on a 6-sided dice?	<b><math>\frac{1}{6}</math></b>
12)	Entry to a zoo costs £30 for an adult and £25 for a child. How much would it cost for 2 adults and 3 children?	<b>£135</b>
13)	Five children play a computer game and score 12, 15, 7, 8 and 10 points. What is the median score?	<b>10</b>
14)	A paperclip is made out of 9.8cm of wire. How many paperclips could I make with 1 metre of wire?	<b>10</b>
15)	I travel at 50 miles per hour for 4 hours. How far have I gone?	<b>200 miles</b>
16)	A train journey takes 3h 40min. If I arrive at 1:30pm, what time did I set off?	<b>9:50am</b>

