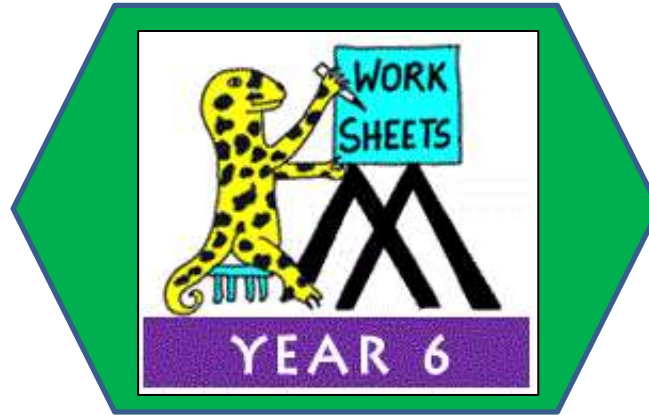


# MATH SALAMANDERS YEAR 6

## MATHS GRAB PACK 4 ANSWERS



Here are answers to all the worksheets in Year 6 Maths Grab Pack 4.

CONTENTS			
1	Decimal Subtraction to 3dp	7	The Five Primes Problem
2	Number Riddles 5A	8	Order of Operations Sheet 5:1
3	Something Fishy #2	9	Ordering Fractions Sheet 2
4	Area and Perimeter Sheet 2	10	Mental Math Quiz 6:4
5	2-Line Symmetry Flower		
6	Division 3-digits by 2-digits Sheet 2		

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>



## DECIMAL SUBTRACTION TO 3DP ANSWERS

$$\begin{array}{r} 1) \quad 82.27 \\ - 29.55 \\ \hline 52.72 \end{array}$$

$$\begin{array}{r} 2) \quad 90.45 \\ - 32.19 \\ \hline 58.26 \end{array}$$

$$\begin{array}{r} 3) \quad 17.67 \\ - 8.28 \\ \hline 9.39 \end{array}$$

$$\begin{array}{r} 4) \quad 728.5 \\ - 175.7 \\ \hline 552.8 \end{array}$$

$$\begin{array}{r} 5) \quad 603.8 \\ - 275.4 \\ \hline 328.4 \end{array}$$

$$\begin{array}{r} 6) \quad 56.70 \\ - 24.38 \\ \hline 32.32 \end{array}$$

$$\begin{array}{r} 7) \quad 83.14 \\ - 57.62 \\ \hline 25.52 \end{array}$$

$$\begin{array}{r} 8) \quad 73.75 \\ - 48.38 \\ \hline 25.37 \end{array}$$

$$\begin{array}{r} 9) \quad 70.82 \\ - 56.79 \\ \hline 14.03 \end{array}$$

$$\begin{array}{r} 10) \quad 852.4 \\ - 97.8 \\ \hline 754.6 \end{array}$$

$$\begin{array}{r} 11) \quad 35.71 \\ - 28.9 \\ \hline 6.81 \end{array}$$

$$\begin{array}{r} 12) \quad 72.40 \\ - 33.75 \\ \hline 38.65 \end{array}$$

$$\begin{array}{r} 13) \quad 603.2 \\ - 265.8 \\ \hline 337.4 \end{array}$$

$$\begin{array}{r} 14) \quad 75.4 \\ - 17.58 \\ \hline 57.82 \end{array}$$

$$\begin{array}{r} 15) \quad 63.59 \\ - 27.3 \\ \hline 36.29 \end{array}$$

$$\begin{array}{r} 16) \quad 2.473 \\ - 1.245 \\ \hline 1.228 \end{array}$$

$$\begin{array}{r} 17) \quad 5.829 \\ - 2.377 \\ \hline 3.452 \end{array}$$

$$\begin{array}{r} 18) \quad 75.54 \\ - 47.25 \\ \hline 28.29 \end{array}$$

$$\begin{array}{r} 19) \quad 9.738 \\ - 4.284 \\ \hline 5.454 \end{array}$$

$$\begin{array}{r} 20) \quad 50.02 \\ - 19.98 \\ \hline 30.04 \end{array}$$

$$\begin{array}{r} 21) \quad 76.38 \\ - 29.75 \\ \hline 46.63 \end{array}$$

$$\begin{array}{r} 22) \quad 91.05 \\ - 16.82 \\ \hline 74.23 \end{array}$$

$$\begin{array}{r} 23) \quad 6.309 \\ - 1.954 \\ \hline 4.355 \end{array}$$

$$\begin{array}{r} 24) \quad 8.053 \\ - 3.726 \\ \hline 4.327 \end{array}$$

## NUMBER RIDDLES 5A ANSWERS

1) I am not a prime number.

One of my factors is 3.

I am more than  $8^2$ .

I am one away from a multiple of 7.

Who am I?

78	86	93	67
57	82	71	98

2) I am less than half of 27.

If you multiply me by 10, I become a whole number.

The difference between me and the number 10 is less than 3.

If you round me to the nearest whole number, I round up not down.

Who am I?

13.8	8.4	17.25	9.3
5.37	6.9	4.81	12.6

## SOMETHING FISHY #2! ANSWERS



A clownfish costs £3.60 to buy.

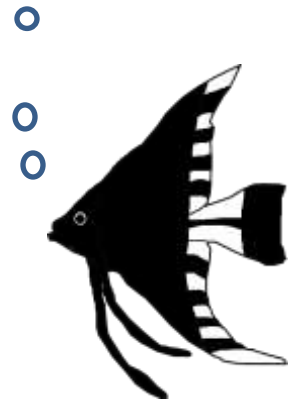
An angelfish costs £5.80 to buy.

Sally spends exactly £42 on some clownfish and some angelfish. She buys at least one of each.

How many of each type did she buy?

**She bought 2 clownfish and 6 angelfish.**

**Cost = £7.20 + £34.80 = \$42**



What if she had spent \$52 on the fish?

How many of each type did she buy?

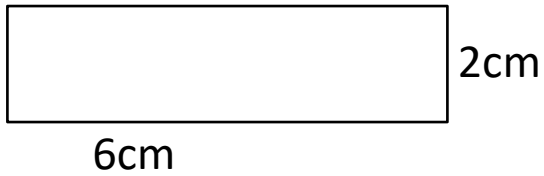
**She bought 8 clownfish and 4 angelfish.**

**Cost = £28.80 + £23.20 = \$52**



## AREA AND PERIMETER SHEET 2 ANSWERS

1)



Area = 12 square cm

Perimeter = 16 cm

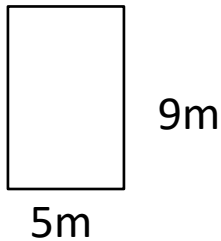
2)



Area = 15 square mm

Perimeter = 16 mm

3)



Area = 45 square m

Perimeter = 28 m

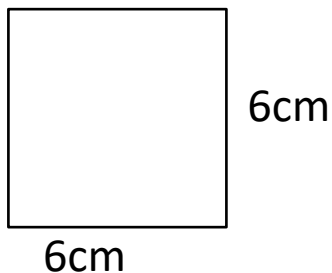
4)



Area = 24 square ft

Perimeter = 22 ft

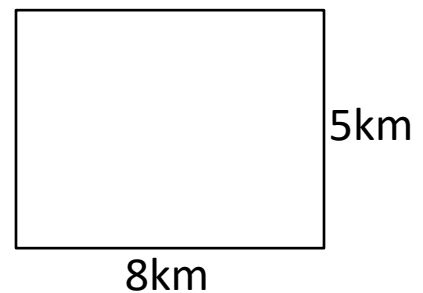
5)



Area = 36 square cm

Perimeter = 24 cm

6)

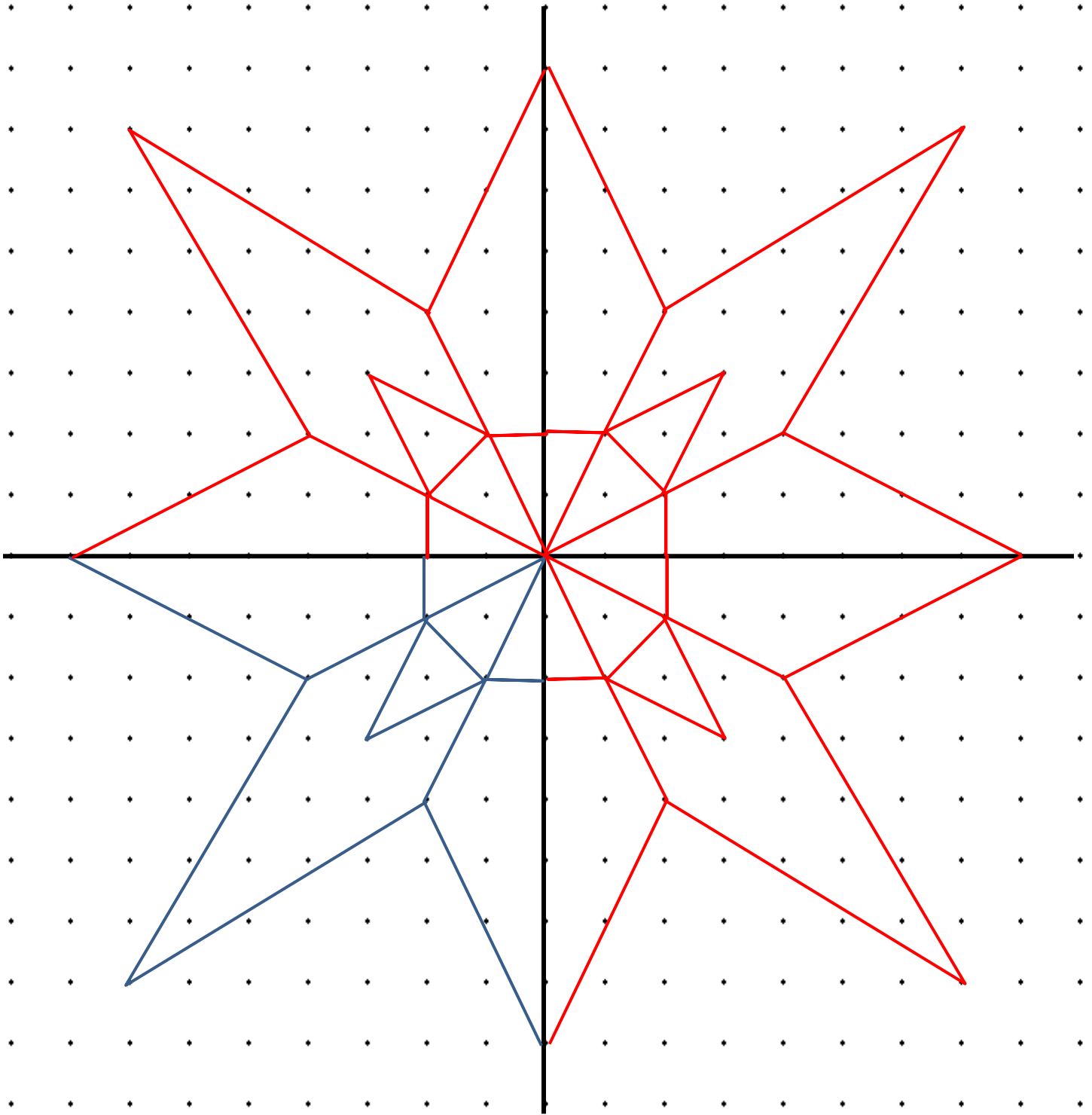


Area = 40 square km

Perimeter = 26 km



2 LINE SYMMETRY FLOWER 2 ANSWER



## DIVISION – 3 DIGITS BY 2 DIGITS SHEET 2 ANSWERS

$$1) \quad 32 \overline{) 526} \quad \begin{array}{r} 16 \\ \hline \end{array} \text{ r } 14$$

$$2) \quad 47 \overline{) 179} \quad \begin{array}{r} 3 \\ \hline \end{array} \text{ r } 38$$

$$3) \quad 15 \overline{) 756} \quad \begin{array}{r} 50 \\ \hline \end{array} \text{ r } 6$$

$$4) \quad 42 \overline{) 551} \quad \begin{array}{r} 13 \\ \hline \end{array} \text{ r } 5$$

$$5) \quad 65 \overline{) 388} \quad \begin{array}{r} 5 \\ \hline \end{array} \text{ r } 63$$

$$6) \quad 72 \overline{) 985} \quad \begin{array}{r} 13 \\ \hline \end{array} \text{ r } 49$$

$$7) \quad 18 \overline{) 794} \quad \begin{array}{r} 44 \\ \hline \end{array} \text{ r } 2$$

$$8) \quad 26 \overline{) 671} \quad \begin{array}{r} 25 \\ \hline \end{array} \text{ r } 21$$

$$9) \quad 38 \overline{) 299} \quad \begin{array}{r} 7 \\ \hline \end{array} \text{ r } 33$$

$$10) \quad 41 \overline{) 798} \quad \begin{array}{r} 19 \\ \hline \end{array} \text{ r } 19$$

$$11) \quad 17 \overline{) 683} \quad \begin{array}{r} 40 \\ \hline \end{array} \text{ r } 3$$

$$12) \quad 56 \overline{) 421} \quad \begin{array}{r} 7 \\ \hline \end{array} \text{ r } 29$$

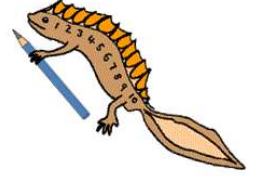


## THE FIVE PRIMES PROBLEM ANSWERS

Newton chose five different prime numbers. The largest of the prime numbers was 29.

He added them altogether.

The answer came to 50. Which primes did he add?



- *List of prime numbers to 29*

2	3	5	7	11	13	17	19	23	29
---	---	---	---	----	----	----	----	----	----

- **Answer**

2	3	5	11	29
---	---	---	----	----

Captain chose four different prime numbers. The largest of his prime numbers was also 29. He added them together and the answer came to 60.

Which primes did he add?

*There are 3 possible answers. How many can you find?*



- **Answer**

2	3	7	19	29
2	5	7	17	29
2	5	11	13	29





## ORDER OF OPERATIONS SHEET 5:1 ANSWERS

$$1) \quad (4 + 3) \times 2 = \underline{14} \quad 9) \quad 5 \times 3 + 4 = \underline{19} \quad 17) \quad 5 + 2 \times 4 = \underline{13}$$

$$\quad \quad \quad 7 \quad \times 2$$

$$2) \quad 4 + (3 \times 2) = \underline{10} \quad 10) \quad 5 + 3 \times 4 = \underline{17} \quad 18) \quad 7 \times 2 - 5 = \underline{9}$$

$$3) \quad (2 + 3) \times 5 = \underline{25} \quad 11) \quad 10 \div 2 + 3 = \underline{8} \quad 19) \quad 14 - 3 \times 3 = \underline{5}$$

$$4) \quad 2 + (3 \times 5) = \underline{17} \quad 12) \quad 10 - 6 \div 2 = \underline{7} \quad 20) \quad 8 + (3 \times 5) = \underline{23}$$

$$5) \quad (8 - 3) \times 2 = \underline{10} \quad 13) \quad (4 + 7) \times 3 = \underline{33} \quad 21) \quad 6 \times 3 - 7 = \underline{11}$$

$$6) \quad 8 - (3 \times 2) = \underline{2} \quad 14) \quad 4 + 7 \times 3 = \underline{25} \quad 22) \quad 12 \div 2 + 4 = \underline{10}$$

$$7) \quad (4 + 2) \times 3 = \underline{18} \quad 15) \quad 10 - 3 \times 2 = \underline{4} \quad 23) \quad 9 - 7 + 6 = \underline{8}$$

$$8) \quad 4 + (2 \times 3) = \underline{10} \quad 16) \quad (10 - 3) \times 2 = \underline{14} \quad 24) \quad 9 - (7 + 6) = \underline{-4}$$

## ORDERING FRACTIONS SHEET 2 ANSWERS

1)	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{8}$
----	---------------	---------------	---------------	---------------	---------------

smallest

largest

$\frac{1}{8}$	$\frac{1}{6}$	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{2}$
---------------	---------------	---------------	---------------	---------------

2)	$\frac{1}{3}$	$\frac{5}{6}$	$\frac{1}{6}$	$\frac{1}{2}$	$\frac{2}{3}$
----	---------------	---------------	---------------	---------------	---------------

smallest

largest

$\frac{1}{6}$	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{2}{3}$	$\frac{5}{6}$
---------------	---------------	---------------	---------------	---------------

3)	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{5}{8}$
----	---------------	---------------	---------------	---------------	---------------

smallest

largest

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
---------------	---------------	---------------	---------------	---------------

4)	$\frac{3}{5}$	$\frac{1}{10}$	$\frac{4}{5}$	$\frac{7}{10}$	$\frac{2}{5}$
----	---------------	----------------	---------------	----------------	---------------

smallest

largest

$\frac{1}{10}$	$\frac{2}{5}$	$\frac{3}{5}$	$\frac{7}{10}$	$\frac{4}{5}$
----------------	---------------	---------------	----------------	---------------

5)	$\frac{7}{9}$	$\frac{1}{3}$	$\frac{4}{9}$	$\frac{1}{9}$	$\frac{2}{3}$
----	---------------	---------------	---------------	---------------	---------------


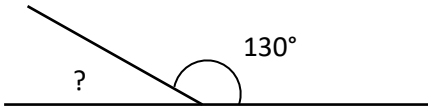
smallest

largest

$\frac{1}{9}$	$\frac{1}{3}$	$\frac{4}{9}$	$\frac{2}{3}$	$\frac{7}{9}$
---------------	---------------	---------------	---------------	---------------



# MENTAL MATHS QUIZ 6:4 ANSWERS

1)	$7 + (8 \times 6)$	<b>55</b>
2)	$\frac{3}{5} - \frac{3}{10}$	<b><math>\frac{3}{10}</math></b>
3)	Write 0.7 as a fraction	<b><math>\frac{7}{10}</math></b>
4)	$\frac{1}{3}$ of 21 = ___ - 10	<b>17</b>
5)	Round 4.639 to 1dp	<b>4.6</b>
6)	What is the <b>range</b> of: 21, 35, 17, 27, 32, 12 and 30	<b><math>35-12=23</math></b>
7)	Find $\frac{2}{9}$ of 36	<b>8</b>
8)	Which of these numbers is <b>prime</b> ? 33 45 57 69 53 49	<b>53</b>
9)	What is the difference between 6000 and 60?	<b>5940</b>
10)	Which two measurements add up to 3 feet? 14 inches 2 feet 1 inch 1 foot 7 inches 11 inches	<b>2 feet 1 inch and 11 inches</b>
11)	How many months in $\frac{3}{4}$ of a year?	<b>9</b>
12)	Fill in the missing operations (+, -, x or $\div$ ) to make this correct: $5 \square 6 \square 3 \square 2 = 8$	<b><math>5 \times 6 \div 3 - 2</math></b>
13)	A rectangular swimming pool measures 6 metres by 4 metres. What is the <b>area</b> ?	<b><math>24\text{m}^2</math></b>
14)	What 3d shape does this net make? 	<b>tetrahedron or triangular pyramid</b>
15)	What is the missing angle? 	<b><math>50^\circ</math></b>
16)	Two numbers have a sum of 15 and a product of 26. What are they?	<b>2 and 13</b>
17)	I eat a third of a box of chocolates. There are now 16 left. How much were in the box at the start?	<b>24 chocolates</b>
18)	If $2x + 1 = 7$ what is the value of $x$ ?	<b><math>x = 3</math></b>