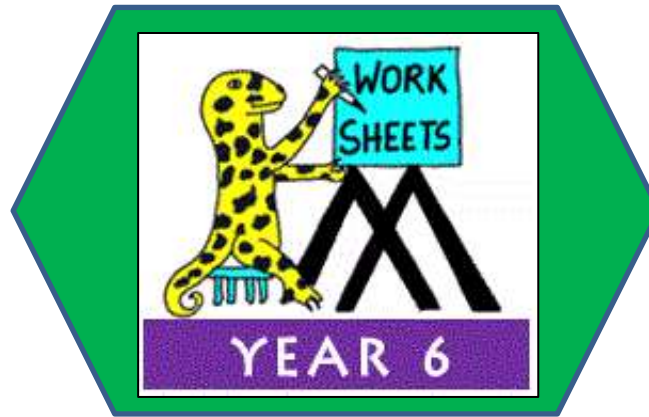


# MATH SALAMANDERS YEAR 6

## MATHS GRAB PACK 3 ANSWERS



Here are answers to all the worksheets in Year 6 Maths Grab Pack 3.

CONTENTS			
1	Big Number Column Addition Sheet 1	7	Decimals to Percents and Fractions 1
2	Birthday Bonanza	8	Magic Square Worksheet 4.3
3	Tyger's Money Square Challenge 4:3	9	Plot the Co-ordinates 1
4	Decimal Column Subtraction 3	10	Mental Maths Quiz 6:3
5	Castle Line Symmetry		
6	Place Value Riddles 5A		

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>



Free Math Sheets, Math Games and Math Help

**MATH-SALAMANDERS.COM**



## BIG NUMBER COLUMN ADDITION SHEET 1 ANSWERS

$$\begin{array}{r} 1) \quad 6045173 \\ + \quad 2146185 \\ \hline 8191358 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 1274538 \\ + \quad 6382714 \\ \hline 7657252 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 3748295 \\ + \quad 2087537 \\ \hline 5835832 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 7532961 \\ + \quad 673829 \\ \hline 8206790 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 9024382 \\ + \quad 5839207 \\ \hline 14863589 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 6473291 \\ + \quad 8372918 \\ \hline 14846209 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 7384735 \\ + \quad 8372613 \\ \hline 15757348 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 4038291 \\ + \quad 637282 \\ \hline 4675573 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 8938271 \\ + \quad 5093872 \\ \hline 14032143 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 3929271 \\ + \quad 1623829 \\ + \quad 637285 \\ \hline 6190385 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 3829184 \\ + \quad 738294 \\ + \quad 2370383 \\ \hline 6937861 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 5432987 \\ + \quad 216347 \\ + \quad 3782906 \\ \hline 9432240 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 3204832 \\ + \quad 738721 \\ + \quad 1093763 \\ \hline 5037316 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 6291873 \\ + \quad 1028372 \\ + \quad 352604 \\ \hline 7672849 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 6356213 \\ + \quad 4038267 \\ + \quad 1627392 \\ \hline 12021872 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 2738284 \\ + \quad 827381 \\ + \quad 5472171 \\ \hline 9037836 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 310390 \\ + \quad 7283912 \\ + \quad 847284 \\ \hline 8441586 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 1928074 \\ + \quad 738212 \\ + \quad 3820567 \\ \hline 6486853 \\ \hline \end{array}$$

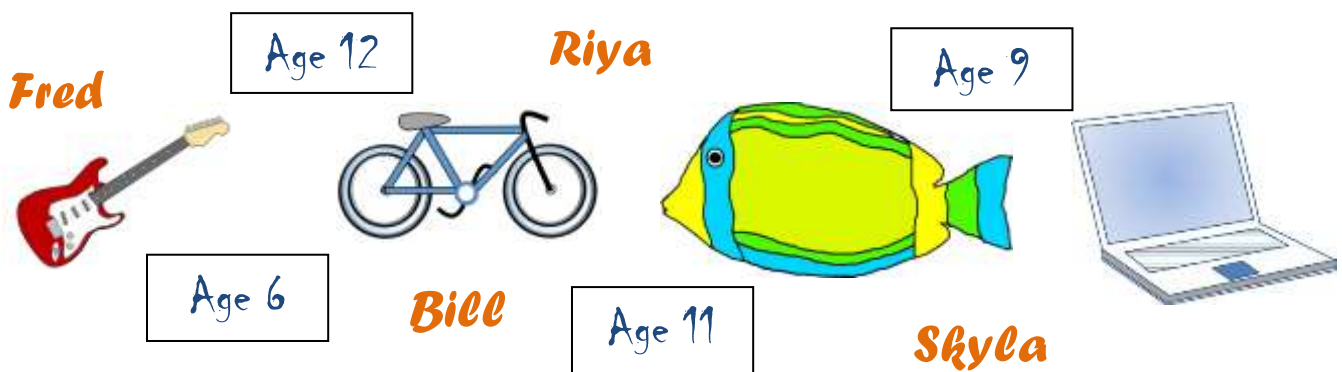


## BIRTHDAY BONANZA ANSWERS

Fred, Bill, Skyla and Riya all have birthdays this month.

Their ages will be 6, 9, 11 and 12.

The presents they received are: a guitar, a bike, an aquarium and a laptop.










Use the clues below to find out who got what, and how old they were.

- 1) Riya, who is the second oldest, did not get a guitar.
- 2) The person who got the aquarium was the youngest person who is not Skyla.
- 3) The bike was given to an 11 year-old.
- 4) The laptop was given to the oldest person who is not Fred.
- 5) Skyla is not the oldest girl.

PERSON	AGE	PRESENT
Fred	6	Aquarium
Bill	12	Laptop
Skyla	9	Guitar
Riya	11	Bike

# TYGER'S MONEY SQUARE CHALLENGE 4:3 ANSWERS



				£1.90
				£1.70
				£1.30
				£2.30

£1.90    £1.80    £2.60    90p



## DECIMAL COLUMN SUBTRACTION SHEET 3 ANSWERS

$$\begin{array}{r} 1) \quad 6.928 \\ - 2.365 \\ \hline 4.563 \end{array} \quad \begin{array}{r} 2) \quad 78.07 \\ - 43.55 \\ \hline 34.52 \end{array} \quad \begin{array}{r} 3) \quad 91.24 \\ - 85.76 \\ \hline 5.48 \end{array} \quad \begin{array}{r} 4) \quad 670.2 \\ - 158.8 \\ \hline 511.4 \end{array}$$

$$\begin{array}{r} 5) \quad 5.037 \\ - 2.475 \\ \hline 2.562 \end{array} \quad \begin{array}{r} 6) \quad 71.25 \\ - 67.89 \\ \hline 3.36 \end{array} \quad \begin{array}{r} 7) \quad 30.37 \\ - 9.75 \\ \hline 20.62 \end{array} \quad \begin{array}{r} 8) \quad 67.2 \\ - 38.45 \\ \hline 28.75 \end{array}$$

$$\begin{array}{r} 9) \quad 4.172 \\ - 0.684 \\ \hline 3.488 \end{array} \quad \begin{array}{r} 10) \quad 62.90 \\ - 37.67 \\ \hline 25.23 \end{array} \quad \begin{array}{r} 11) \quad 8.730 \\ - 2.266 \\ \hline 6.464 \end{array} \quad \begin{array}{r} 12) \quad 651.6 \\ - 281.3 \\ \hline 370.3 \end{array}$$

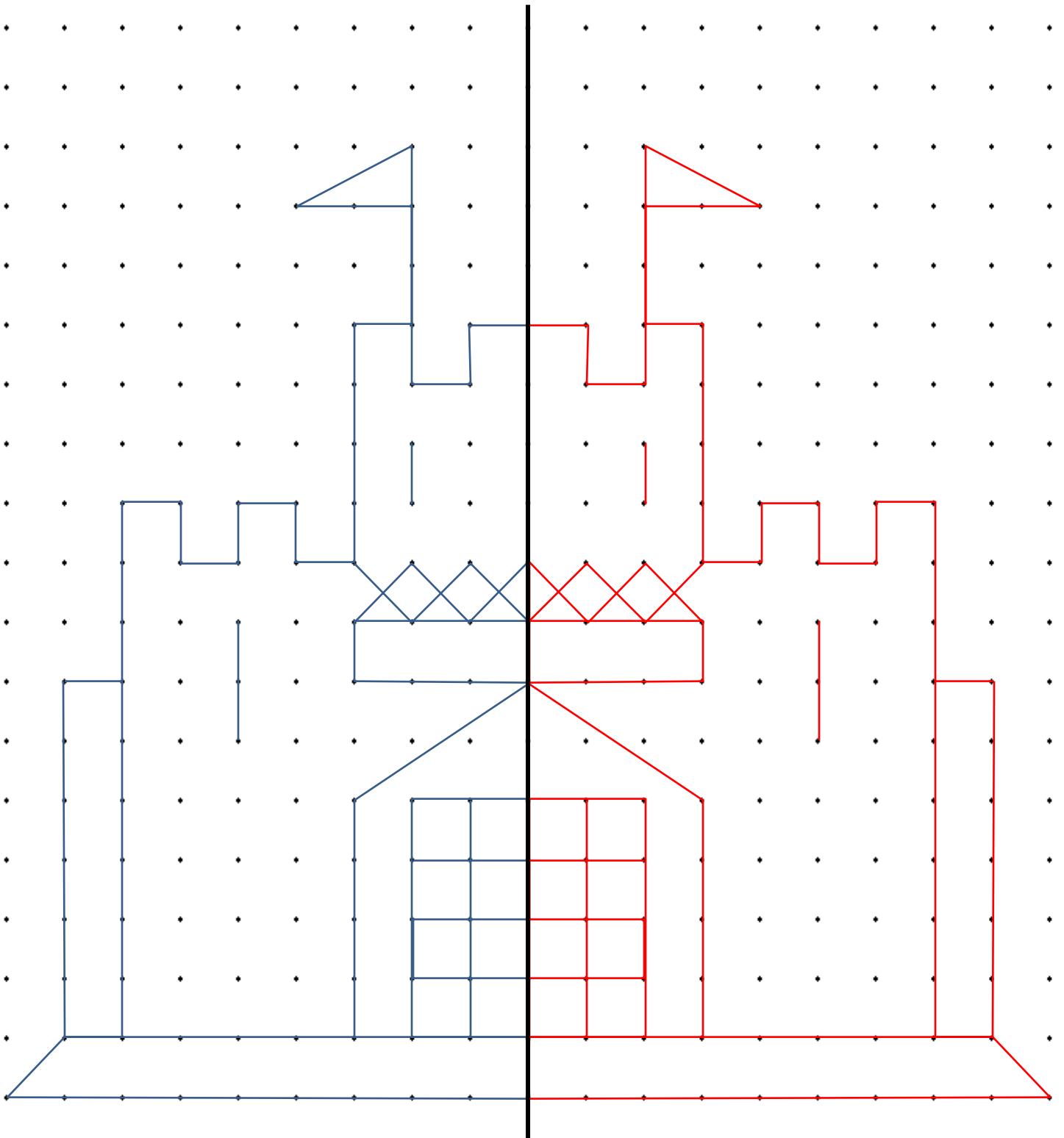
$$\begin{array}{r} 13) \quad 8.403 \\ - 1.675 \\ \hline 6.728 \end{array} \quad \begin{array}{r} 14) \quad 572.1 \\ - 485.3 \\ \hline 86.8 \end{array} \quad \begin{array}{r} 15) \quad 79.83 \\ - 54.61 \\ \hline 25.22 \end{array} \quad \begin{array}{r} 16) \quad 972.8 \\ - 565.4 \\ \hline 407.4 \end{array}$$

$$\begin{array}{r} 17) \quad 7.021 \\ - 4.968 \\ \hline 2.053 \end{array} \quad \begin{array}{r} 18) \quad 8.38 \\ - 3.725 \\ \hline 4.655 \end{array} \quad \begin{array}{r} 19) \quad 40.08 \\ - 28.76 \\ \hline 11.32 \end{array} \quad \begin{array}{r} 20) \quad 6.731 \\ - 3.482 \\ \hline 3.249 \end{array}$$

$$\begin{array}{r} 21) \quad 4.506 \\ - 2.758 \\ \hline 1.748 \end{array} \quad \begin{array}{r} 22) \quad 92.7 \\ - 16.49 \\ \hline 76.21 \end{array} \quad \begin{array}{r} 23) \quad 80.02 \\ - 36.8 \\ \hline 43.22 \end{array} \quad \begin{array}{r} 24) \quad 7.206 \\ - 4.564 \\ \hline 2.642 \end{array}$$



1 LINE SYMMETRY PICTURE CASTLE ANSWERS



## PLACE VALUE RIDDLES 5A ANSWERS

Select the correct answer from a choice of 8 possibilities.

1) I am larger than 3 million.

I am less than  $3\frac{1}{2}$  million.

My largest digit is my ten thousands digit.

I am a multiple of 5.

Who am I?

3,247,180	2,853,918	3,892,100	4,235,105
<b>3,072,130</b>	3,584,325	30,291,300	4,138,282

2) I am less than half a million.

My thousands digit is a multiple of 3.

I am more than a quarter of a million.

I am odd.

Who am I?

347,283	1,206,311	4,286,135	814,277
233,117	416,532	<b>379,513</b>	2,130,767

## DECIMALS TO PERCENTS &amp; FRACTIONS SHEET 1 ANSWERS

DECIMAL	PERCENT	FRACTION
0.6	60%	$\frac{60}{100} = \frac{3}{5}$
0.2	20%	$\frac{1}{5}$
0.5	50%	$\frac{1}{2}$
0.25	25%	$\frac{1}{4}$
0.75	75%	$\frac{3}{4}$
0.12	12%	$\frac{3}{25}$
0.45	45%	$\frac{9}{20}$
0.42	42%	$\frac{21}{50}$
0.81	81%	$\frac{81}{100}$
0.47	47%	$\frac{47}{100}$
0.18	18%	$\frac{9}{50}$
0.04	4%	$\frac{1}{25}$
0.125	12.5%	$\frac{1}{8}$
0.39	39%	$\frac{39}{100}$
1.3	130%	$1 \frac{3}{10}$ (or $\frac{13}{10}$ )



## MAGIC SQUARE WORKSHEET 4.3 ANSWERS

1) The sum is 34.

7	2	16	9
12	13	3	6
1	8	10	15
14	11	5	4

2) The sum is 68.

14	24	2	28
4	26	16	22
32	6	20	10
18	12	30	8

3) The sum is 340.

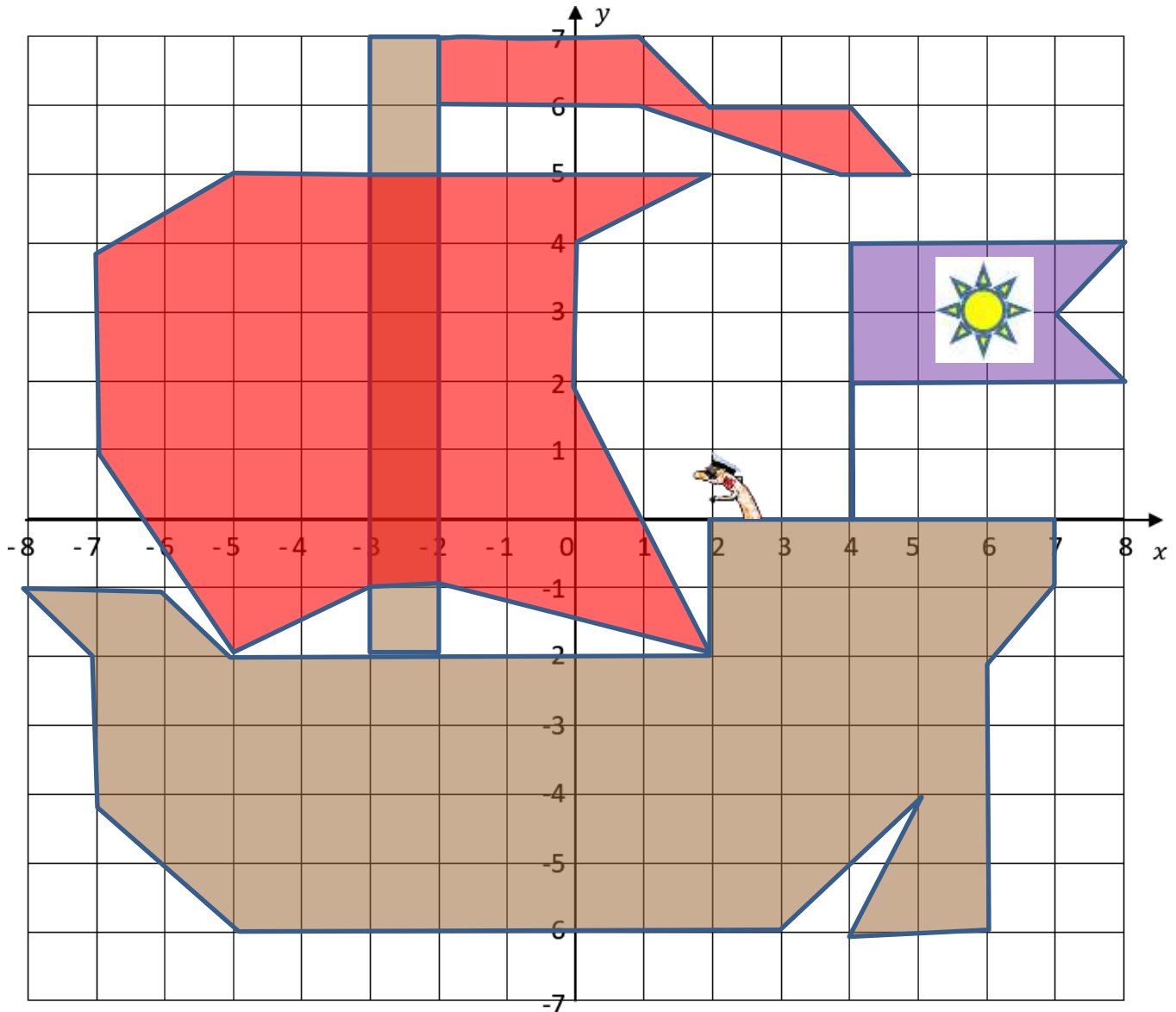
70	20	160	90
120	130	30	60
10	80	100	150
140	110	50	40

4) The sum is 102.

48	6	9	39
15	33	30	24
27	21	18	36
12	42	45	3

## PLOT THE COORDINATES 1 ANSWERS

Plot the coordinates below, joining each coordinate as you plot them. Shade each set of coordinates once you have finished joining all the sets up.



SET 1: Brown

$(-8, -1), (-7, -2), (-7, -4), (-5, -6), (3, -6), (5, -4), (4, -6), (6, -6), (6, -2), (7, -1), (7, 0), (2, 0), (2, -2), (-5, -2), (-6, -1), (-8, -1)$

SET 2: Choose your own design

$(-5, 5), (-7, 4), (-7, 1), (-5, -2), (-3, -1), (-2, -1), (2, -2), (0, 2), (0, 4), (2, 5), (-5, 5)$

SET 3: Brown

$(-3, -2), (-2, -2), (-2, 7), (-3, 7), (-3, -2)$

SET 4: Choose your own design

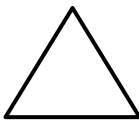
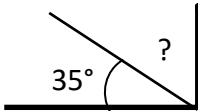
$(-2, 7), (1, 7), (2, 6), (4, 6), (5, 5), (4, 5), (1, 6), (-2, 6), (-2, 7)$

Set 8: Choose your own design

$(4, 0), (4, 4), (8, 4), (7, 3), (8, 2), (4, 2)$



# MENTAL MATHS QUIZ 6:3 ANSWERS

1)	$\frac{1}{3} + \frac{1}{6}$	<b><math>\frac{3}{6}</math> or <math>\frac{1}{2}</math></b>
2)	Convert $1\frac{3}{4}$ into a decimal	<b>1.75</b>
3)	I am between 20 and 30. I am a multiple of both 3 and 4. Who am I?	<b>24</b>
4)	Round 5.824 to the nearest whole number.	<b>6</b>
5)	$4 \times 7 = 30 - \underline{\quad}$	<b>2</b>
6)	Find $\frac{3}{7}$ of 35	<b>15</b>
7)	The time is 7:35am. What is the time in the 24-hour clock?	<b>07:35 or 0735</b>
8)	Which is the <b>largest</b> ? 0.62   0.47   0.8   0.67   0.53   0.09	<b>0.8</b>
9)	$0.6 \times 4$	<b>2.4</b>
10)	What is the median of: 35, 27, 51, 31, 28, 19, 33	<b>31</b>
11)	How many lines of symmetry? 	<b>3</b>
12)	Captain has £80. Flame has a £20 note plus seven £5 notes. How much more money does the Captain have?	<b>£25</b>
13)	(1 foot = 12 inches) How many inches is $5\frac{1}{2}$ feet?	<b>66 inches</b>
14)	Sally pays £25 for two tubes of paint: a blue tube and a red tube. The blue tube cost £7 more than the red tube. How much did each tube cost?	<b>Blue £16 Red £9</b>
15)	I am facing north-east. I turn a right angle clockwise. What direction am I facing now?	<b>south-east</b>
16)	What is the missing angle? 	<b>55°</b>
17)	$0.73 + \underline{\quad} = 1$	<b>0.27</b>
18)	If $x + 9 = 13$ , what is the value of $x$ ?	<b><math>x = 4</math></b>

