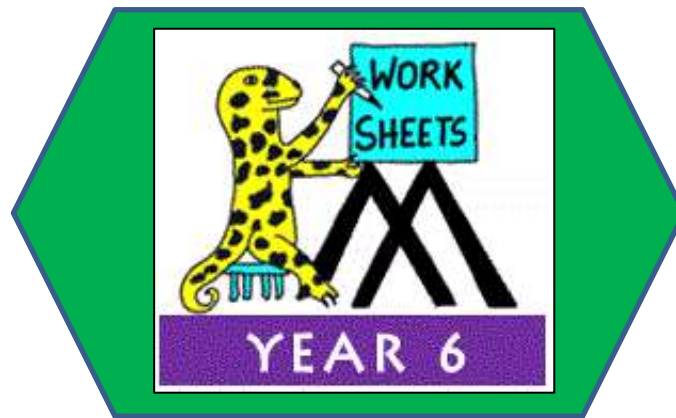


# MATH SALAMANDERS YEAR 6 MATHS GRAB PACK 1

This pack is a selection of 10 Maths sheets designed especially for Year 6 pupils.

All the worksheets are also available on our site.



In the pack is a range of number sheets, colouring pages, and puzzles.

There is also an answer pack which you can download separately.

CONTENTS			
1	Column Addition Decimals	6	Number Fill In Puzzle 2
2	Equivalent Fractions 2	7	1..2..3..4 Challenge
3	Easter Colour by Number Subtraction to 20	8	Reading Writing BIG Number Challenge
4	Make 10	9	Easter Egg Colour In 2
5	Easter Codebreaker 2B	10	Mental Math Quiz 6:1

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>



## COLUMN ADDITION DECIMALS SHEET 1

$$\begin{array}{r} 1) \quad 1928.27 \\ + \quad 4293.55 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2094.06 \\ + \quad 1837.75 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 7382.59 \\ + \quad 823.68 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 6308.72 \\ + \quad 1839.8 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 8250.95 \\ + \quad 2839.47 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 8372.8 \\ + \quad 497.49 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 9382.63 \\ + \quad 6308.85 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 3028.29 \\ + \quad 8240.75 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 7385.68 \\ + \quad 8297.9 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 670.138 \\ + \quad 185.372 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 139.743 \\ + \quad 382.108 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 738.138 \\ + \quad 82.527 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 7362.84 \\ + \quad 2831.27 \\ + \quad 1093.35 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 6038.08 \\ + \quad 3942.75 \\ + \quad 1903.24 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 7263.80 \\ + \quad 1980.25 \\ + \quad 328.75 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 368.473 \\ + \quad 129.806 \\ + \quad 255.324 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 7380.26 \\ + \quad 582.85 \\ + \quad 1632.09 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 8925.37 \\ + \quad 5248.81 \\ + \quad 794.36 \\ \hline \end{array}$$



## EQUIVALENT FRACTIONS SHEET 2

### FRACTION STRIPS

Use these fractions strips to help you find the equivalent fractions.

Put the correct fraction into the box and fill in the answers below.



1)

$\frac{1}{2}$		$\frac{1}{2}$	
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

$$\frac{1}{2} = \frac{\quad}{4}$$

2)

$\frac{1}{2}$			$\frac{1}{2}$		

$$\frac{1}{2} = \frac{\quad}{6}$$

3)

$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$

$$\frac{1}{3} = \frac{\quad}{6}$$

4)

$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

$$\frac{1}{4} = \frac{\quad}{8}$$

5)

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$$\frac{1}{5} = \frac{\quad}{10}$$

6)

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$$\frac{1}{6} = \frac{\quad}{12}$$

Now use the fraction strips to answer these questions.

7)  $\frac{2}{2} = \frac{\quad}{4}$

8)  $\frac{3}{4} = \frac{\quad}{8}$

9)  $\frac{2}{3} = \frac{\quad}{6}$

10)  $\frac{2}{5} = \frac{\quad}{10}$

11)  $\frac{3}{3} = \frac{\quad}{6}$

12)  $\frac{4}{6} = \frac{\quad}{12}$

13)  $\frac{4}{5} = \frac{\quad}{10}$

14)  $\frac{5}{6} = \frac{\quad}{12}$



## EASTER COLOUR BY NUMBER: CHICK SUBTRACTION TO 20

13-10	12-10	6-6	15-14	6-5	12-4	20-10	16-12	15-7	13-4	5-4	10-9	11-11	12-9	16-13	8-6
14-11	6-4	7-5	8-8	20-3	16-6	10-3	15-8	13-6	10-6	13-5	18-8	16-15	11-9	17-16	12-10
8-8	13-11	5-3	14-5	13-4	11-5	19-13	13-7	10-6	14-8	13-9	4-3	7-4	10-8	15-15	2-0
16-14	7-6	9-7	11-10	10-3	18-11	16-9	13-8	14-9	19-15	13-6	12-6	18-17	14-12	17-14	8-8
3-0	11-8	16-15	10-8	10-5	20-15	14-8	11-4	17-10	12-5	9-3	7-3	4-1	6-6	10-9	16-13
14-11	8-7	3-2	5-5	18-12	14-12	13-8	20-13	15-9	8-3	13-10	12-6	8-6	14-12	20-19	13-13
16-15	15-12	20-11	14-14	16-9	10-5	6-2	20-9	14-3	16-12	18-11	20-14	11-8	16-8	19-2	2-2
13-10	15-6	20-0	16-10	11-4	20-16	17-5	13-2	18-5	20-7	8-3	12-6	10-3	15-11	15-13	12-11
9-6	13-8	8-4	7-1	15-11	18-13	16-10	11-0	13-1	12-5	20-15	5-0	6-2	18-0	13-8	15-7
16-9	14-9	20-14	12-3	20-3	12-5	18-12	19-14	10-3	6-1	13-6	19-2	18-8	11-2	14-7	10-4
4-1	19-12	20-6	17-1	16-8	18-1	13-8	12-6	11-3	17-11	20-12	15-6	18-3	19-5	16-2	18-17
20-17	13-5	17-7	13-5	20-5	19-4	16-7	20-13	14-6	16-6	16-2	17-3	14-5	20-10	20-3	13-12
4-4	14-2	19-6	17-5	14-4	18-9	20-6	17-3	19-3	13-5	12-4	16-7	13-1	18-6	20-9	11-9
12-12	18-0	19-9	14-2	17-5	11-0	17-9	14-5	20-10	18-7	17-4	20-7	10-1	15-3	11-3	18-15
20-18	19-1	17-7	15-7	12-1	19-11	18-5	16-4	20-7	15-5	16-4	13-5	20-11	19-9	20-2	16-13
10-10	8-7	14-0	18-4	16-1	12-4	10-0	19-6	9-1	15-7	16-8	20-4	17-3	19-5	5-4	13-12
16-15	14-11	19-10	15-6	17-3	20-4	18-3	14-6	17-7	18-2	20-6	17-2	20-12	16-14	3-0	8-5
16-6	7-6	11-10	19-1	13-5	10-2	17-9	19-3	20-5	16-7	13-3	10-2	20-0	9-9	12-11	18-1
19-9	20-2	18-16	14-11	18-1	19-0	18-9	20-11	16-8	17-0	20-3	19-1	16-13	11-9	12-4	13-5
20-10	14-6	15-6	10-9	11-8	17-7	17-0	20-3	19-1	18-0	13-4	16-13	20-18	17-9	20-2	19-11

KEY		
0 to 3 black	4 to 7 yellow	8 to 10 blue
11 to 13 red	14 to 16 green	17 to 20 white



## MAKE 10

Use the numbers in the grid each time.

3.2	1.9	5.4	0.7	2.6
9.3	4.2	6.8	1.4	8.1
4.6	7.4	2.9	3.5	5.8

### **Challenge 1**

Find pairs of numbers that add up to 10.

Try to find 6 different pairs.

### **Challenge 2**

Try to find sets of 3 numbers that add up to make 10.

Try to find 3 different answers.

# EASTER CODEBREAKER 2B

## MULTIPLICATION FACTS TO 10X10

Use the clues to work out the answer to the Easter joke.

A	B	C	D	E	F	H	I	L	M	N	O	R	S	T	U	Y	!
12	30	49	42	24	48	56	20	40	64	36	64	81	18	28	8	32	14

Did you hear what happened to the rabbits  
who went too near the bath?

Letter	T																
Number	28																
Fact	4x7	7x8	6x4	8x4				6x8	4x6	10x4	8x5						

Letter																	
Number																	
Fact	5x4	4x9		4x3	9x4	6x7			5x6	3x8	7x7	6x2					

Letter																	
Number																	
Fact	8x8	4x6		8x7	8x8	7x4			7x7	9x9	8x8	3x6					

Letter																	
Number																	
Fact	9x2		10x3	2x4	4x9	6x6	4x5	8x3	2x9	7x2							



## NUMBER FILL IN PUZZLE 2

Work out which of the numbers goes in each space in the puzzle below.  
One of the numbers has been done for you.

3	■	■	■	■	■	■	■	■	■	■
2	■	■	■	■	■	■	■	■	■	■
4	■	■	■	■	■	■	■	■	■	■
1	■	■	■	■	■	■	■	■	■	■
7	■	■	■	■	■	■	■	■	■	■
9	■	■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	2	3	7	8	1
■	■	■	■	■	■	■	■	■	■	■

3 DIGITS	4 DIGITS		5 DIGITS		6 DIGITS
143	2018	6271	15972	52876	<del>324179</del>
265	2934	7065	23781	53462	971302
368	3165	7931	27054	64217	
451	3648	8023	31648	86015	
527	4382	9426	32142	93205	
584	4629	9487			
702					

## 1.. 2.. 3.. 4.. CHALLENGE

Use each of the digits 1, 2, 3 and 4 **once** in each calculation to make numbers from 1 to 20. Remember to use brackets!

You can use the digits in any order.

Example:  $(4 + 3 - 1) \times 2 = 12$

$\underline{\hspace{10em}}$	$= 1$	$\underline{\hspace{10em}}$	$= 11$
$\underline{\hspace{10em}}$	$= 2$	$(4 + 3 - 1) \times 2$	$= 12$
$\underline{\hspace{10em}}$	$= 3$	$\underline{\hspace{10em}}$	$= 13$
$\underline{\hspace{10em}}$	$= 4$	$\underline{\hspace{10em}}$	$= 14$
$\underline{\hspace{10em}}$	$= 5$	$\underline{\hspace{10em}}$	$= 15$
$\underline{\hspace{10em}}$	$= 6$	$\underline{\hspace{10em}}$	$= 16$
$\underline{\hspace{10em}}$	$= 7$	$\underline{\hspace{10em}}$	$= 17$
$\underline{\hspace{10em}}$	$= 8$	$\underline{\hspace{10em}}$	$= 18$
$\underline{\hspace{10em}}$	$= 9$	$\underline{\hspace{10em}}$	$= 19$
$\underline{\hspace{10em}}$	$= 10$	$\underline{\hspace{10em}}$	$= 20$

### Extension:

Can you also use the digits to make the numbers from 21 to 30?

One of these numbers is impossible to make without combining digits!





## READING AND WRITING BIG NUMBERS CHALLENGE 1

Write the correct value of each number next to each number written in words.

Now put the numbers in the correct place in the number puzzle.

There are some clues in the number puzzle to help you know where each number goes.

Put the numbers in order, from biggest to smallest.

**Twenty-four thousand, and thirty-six** \_\_\_\_\_

**One hundred ninety-four thousand, five hundred and eight** \_\_\_\_\_

**Six million, one hundred and three thousand, two hundred and forty-nine**  
\_\_\_\_\_

**Fifty thousand, eight hundred and ninety-four** \_\_\_\_\_

~~Three hundred twenty-nine thousand, one hundred one~~    **329,101**

**Nine hundred twenty thousand and forty-five** \_\_\_\_\_

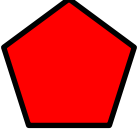
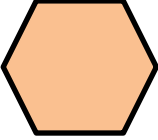
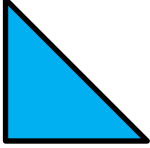

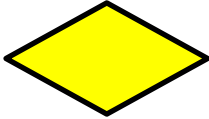
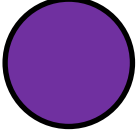
**Seven hundred five thousand, two hundred and forty-eight** \_\_\_\_\_

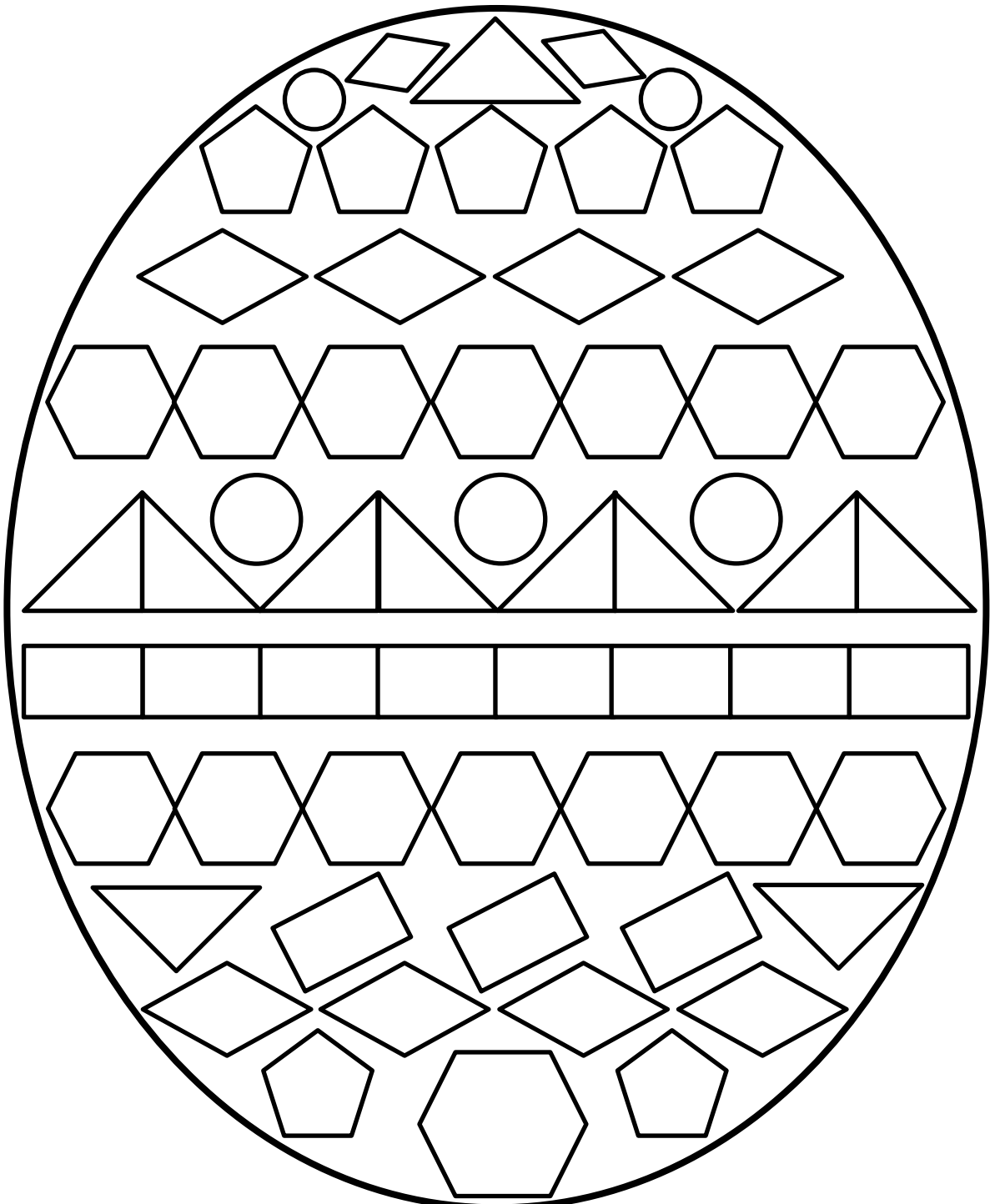
3	2	9	1	0	1		
5						1	
			2				
							9
		0			4		

ORDERING	
biggest	6,103,249
smallest	




# EASTER EGG SHAPE COLOUR IN 2

Red	Pink	Blue	Green	Yellow	Purple
					



# MENTAL MATHS QUIZ 6:1

1)	$20 + 0.6 + 0.02$	
2)	$360 \div 4$	
3)	How many edges? 	
4)	I have a litre bottle of cola. I drink 650ml. How much is left?	ml
5)	Which two numbers have a sum of 15 and a product of 36?	
6)	(1 gallon = 8 pints) How many pints make 6 gallons?	
7)	$4 \frac{1}{3} - 1 \frac{2}{3}$	
8)	Write down all the factors of 33. _____	
9)	Which of these numbers is <b>not</b> a multiple of 3? 81 111 73 27 105	
10)	Flight time from Houston to Orlando is 2 hours to 20 minutes. I arrive at Orlando at 4:15pm. What time did I set off?	
11)	What is $\frac{3}{4}$ of 20m?	m
12)	What is the value of $3(x - 6)$ when $x = 11$ ?	
13)	At a wildlife centre, adult entry is £12 and child entry is £8. I pay for 2 adults and 3 children with a £50 note. How much change?	
14)	The time is a quarter to 7 in the evening. Write this in 24-hour time.	
15)	A kid's skipping rope is 210 cm long. How many ropes could I cut from a 10-metre-long piece of rope?	
16)	Number cards from 1 to 10 are placed in a bag. Flame chooses a card at random. What is the chance that it is a multiple of 4?	
17)	Write down all the <b>prime</b> numbers between 10 and 20.	
18)	How many thirds make 5?	

