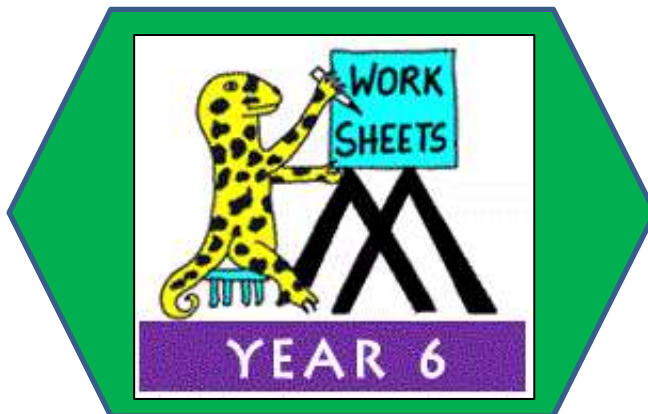


MATH SALAMANDERS YEAR 6

MATHS GRAB PACK 1 ANSWERS



Here are answers to all the worksheets in Year 6 Maths Grab Pack 1.

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>



Free Math Sheets, Math Games and Math Help

MATH-SALAMANDERS.COM

COLUMN ADDITION DECIMALS SHEET 1 ANSWERS

$$\begin{array}{r} 1) \quad 1928.27 \\ + \quad 4293.55 \\ \hline 6221.82 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2094.06 \\ + \quad 1837.75 \\ \hline 3931.81 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 7382.59 \\ + \quad 823.68 \\ \hline 8206.27 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 6308.72 \\ + \quad 1839.8 \\ \hline 8148.52 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 8250.95 \\ + \quad 2839.47 \\ \hline 11090.42 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 8372.8 \\ + \quad 497.49 \\ \hline 8870.29 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 9382.63 \\ + \quad 6308.85 \\ \hline 15691.48 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 3028.29 \\ + \quad 8240.75 \\ \hline 11269.04 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 7385.68 \\ + \quad 8297.9 \\ \hline 15683.58 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 670.138 \\ + \quad 185.372 \\ \hline 855.510 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 139.743 \\ + \quad 382.108 \\ \hline 521.851 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 738.138 \\ + \quad 82.527 \\ \hline 820.665 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 7362.84 \\ + \quad 2831.27 \\ + \quad 1093.35 \\ \hline 11287.46 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 6038.08 \\ + \quad 3942.75 \\ + \quad 1903.24 \\ \hline 11884.07 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 7263.8 \\ + \quad 1980.25 \\ + \quad 328.75 \\ \hline 9572.80 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 368.473 \\ + \quad 129.806 \\ + \quad 255.324 \\ \hline 753.603 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 7380.26 \\ + \quad 582.85 \\ + \quad 1632.09 \\ \hline 9595.2 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 8925.37 \\ + \quad 5248.81 \\ + \quad 794.36 \\ \hline 14968.54 \\ \hline \end{array}$$



EQUIVALENT FRACTIONS SHEET 2 ANSWERS

FRACTION STRIPS

1)

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

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

2)

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

$$\frac{1}{2} = \frac{3}{6}$$

3)

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

$$\frac{1}{3} = \frac{2}{6}$$

4)

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

$$\frac{1}{4} = \frac{2}{8}$$

5)

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

$$\frac{1}{5} = \frac{2}{10}$$

6)

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

$$\frac{1}{6} = \frac{2}{12}$$

Now use the fraction strips to answer these questions.

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

8) $\frac{3}{4} = \frac{6}{8}$

9) $\frac{2}{3} = \frac{4}{6}$

10) $\frac{2}{5} = \frac{4}{10}$

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

12) $\frac{4}{6} = \frac{8}{12}$

13) $\frac{4}{5} = \frac{8}{10}$

14) $\frac{5}{6} = \frac{10}{12}$



EASTER COLOUR BY NUMBER: CHICK SUBTRACTION TO 20 COMPLETED

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 ANSWERS

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.

$$3.2+6.8 \quad 1.9+8.1 \quad 5.4+4.6 \quad 0.7+9.3 \quad 2.6+7.4$$

$$4.2+5.8$$

Challenge 2

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

Try to find 3 different answers.

$$3.2+4.2+2.6 \quad 4.6+3.5+1.9 \quad 5.8+0.7+3.5$$

$$3.2+1.4+5.4 \quad 1.9+0.7+7.4$$

EASTER CODEBREAKER 2B ANSWERS

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	H	E	Y		F	E	L	L		
Number	28	56	24	32		48	24	40	40		
Fact	4x7	7x8	6x4	8x4		6x8	4x6	10x4	8x5		

Letter	I	N		A	N	D		B	E	C	A
Number	20	36		12	36	42		30	24	49	12
Fact	5x4	4x9		4x3	9x4	6x7		5x6	3x8	7x7	6x2

Letter	M	E		H	O	T		C	R	O	S
Number	64	24		56	64	28		49	81	64	18
Fact	8x8	4x6		8x7	8x8	7x4		7x7	9x9	8x8	3x6

Letter	S		B	U	N	N	I	E	S	!	
Number	18		30	8	36	36	20	24	18	14	
Fact	9x2		10x3	2x4	4x9	6x6	4x5	8x3	2x9	7x2	



NUMBER FILL IN PUZZLE 2 ANSWERS

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

3 DIGITS	4 DIGITS		5 DIGITS		6 DIGITS
143	2018	6271	15972	52876	324179
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 ANSWERS

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!

There are several ways that you can make most of the numbers below. We have included an example for each number.

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

Extension:

$(3 + 2) \times 4 + 1$	= 21	$(4 \times 3 + 1) \times 2$	= 26
$(4 \times 3 - 1) \times 2$	= 22	$(4 \times 2 + 1) \times 3$	= 27
$4 \times 3 \times 2 - 1$	= 23	$(3 \times 2 + 1) \times 4$	= 28
$4 \times 3 \times 2 \times 1$	= 24	<u>impossible</u>	= 29
$(4 + 1) \times (3 + 2)$	= 25	$(4 + 1) \times 3 \times 2$	= 30

If you are allowed to combine digits, then you can make 29 using $32 - 4 + 1$

READING AND WRITING BIG NUMBERS

CHALLENGE 1 ANSWERS

Twenty-four thousand, thirty-six **24,036**

One hundred ninety-four thousand, five hundred eight **194,508**

Six million, one hundred three thousand, two hundred forty-nine **6,103,249**

Fifty thousand, eight hundred ninety-four **50,894**

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

Nine hundred twenty thousand, forty-five **920,045**

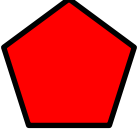
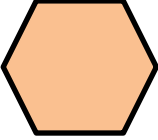
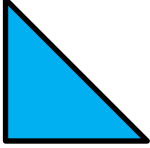

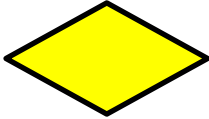
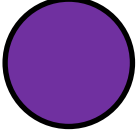
Seven hundred five thousand, two hundred forty-eight **705,248**

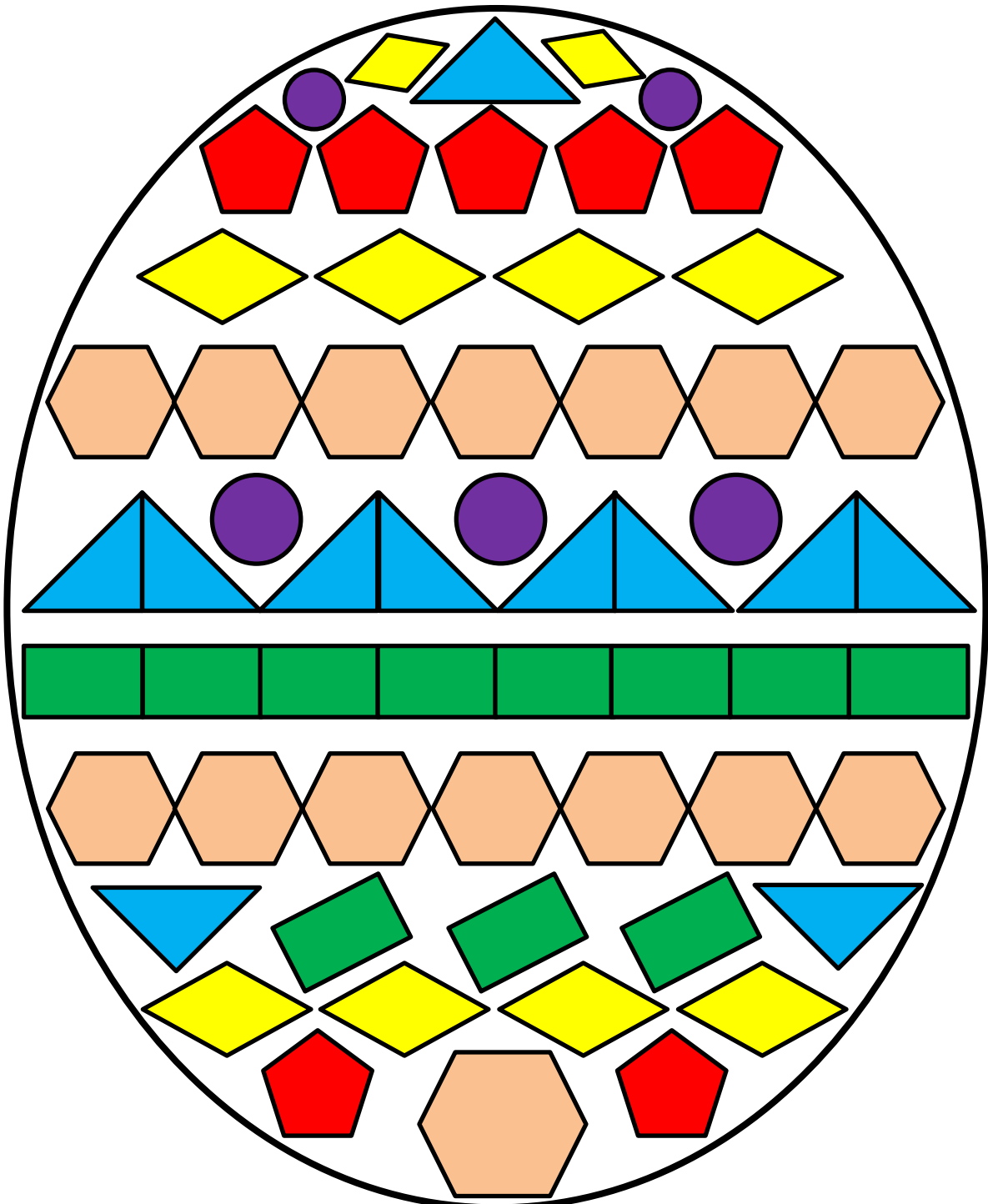
3	2	9	1	0	1		
	4						
5	0	8	9	4		1	
	3		2			9	
	6	1	0	3	2	4	9
			0			5	
			4			0	
	7	0	5	2	4	8	

ORDERING	
biggest	6,103,249
	920,045
	705,248
	329,101
	194,508
	50,894
smallest	24,036

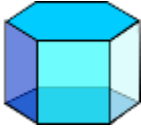


EASTER EGG SHAPE COLOUR IN 2 COMPLETED

Red	Pink	Blue	Green	Yellow	Purple
					



MENTAL MATHS QUIZ 6:1 ANSWERS

1)	$20 + 0.6 + 0.02$	20.62
2)	$360 \div 4$	90
3)	How many edges? 	18
4)	I have a litre bottle of cola. I drink 650ml. How much is left?	350ml
5)	Which two numbers have a sum of 15 and a product of 36?	3 and 12
6)	How many pints make 6 gallons?	48
7)	$4 \frac{1}{3} - 1 \frac{2}{3}$	$2 \frac{2}{3}$
8)	Write down all the factors of 33. _____	1 3 11 33
9)	Which of these numbers is not a multiple of 3? 81 111 73 27 105	73
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?	1:55pm
11)	What is $\frac{3}{4}$ of 20m?	15m
12)	What is the value of $3(x - 6)$ when $x = 11$?	15
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?	£2
14)	The time is a quarter to 7 in the evening. Write this in 24 clock time.	18:45
15)	A kid's skipping rope is 210 cm long. How many ropes could I cut from a 10-metre-long piece of rope?	4
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?	$\frac{2}{10}$ or $\frac{1}{5}$
17)	Write down all the prime numbers between 10 and 20.	11, 13, 17, 19
18)	How many thirds make 5?	15

