

MATH SALAMANDERS

YEAR 4 MATHS GRAB PACK 3

This pack is a selection of 10 Maths sheets and one game adapted for Year 4 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.

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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>



4-DIGIT ADDITION SHEET 3

$$\begin{array}{r} 1) \quad 6723 \\ + \quad 5168 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 5208 \\ + \quad 4329 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 7642 \\ + \quad 495 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 4437 \\ + \quad 2085 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 8703 \\ + \quad 1948 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 3266 \\ + \quad 584 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 1876 \\ + \quad 1954 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 7052 \\ + \quad 3759 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 9256 \\ + \quad 852 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 5738 \\ + \quad 4907 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 3674 \\ + \quad 2937 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 8516 \\ + \quad 1940 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 6618 \\ + \quad 7295 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 4473 \\ + \quad 3928 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 9438 \\ + \quad 1582 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 5881 \\ + \quad 1706 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 3894 \\ + \quad 438 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 8328 \\ + \quad 1563 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 7433 \\ + \quad 5807 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 2819 \\ + \quad 1754 \\ \hline \end{array}$$

$$\begin{array}{r} 21) \quad 5783 \\ + \quad 4217 \\ \hline \end{array}$$

$$\begin{array}{r} 22) \quad 7875 \\ + \quad 4328 \\ \hline \end{array}$$

$$\begin{array}{r} 23) \quad 9516 \\ + \quad 4083 \\ \hline \end{array}$$

$$\begin{array}{r} 24) \quad 5637 \\ + \quad 5394 \\ \hline \end{array}$$



MAGIC SQUARE WORKSHEET 3.1



In a magic square, each row, column and diagonal add up to the same total.
Can you fill in the missing numbers in these magic squares?

1) The sum is 15.

	9	4
7		
	1	

2) The sum is 33.

13		
15	11	
	19	

3) The sum is 45.

	9	12
	15	27

4) The sum is 60.

21		23
17		19



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							



4-DIGIT SUBTRACTION SHEET 3

$$\begin{array}{r} 1) \quad 6754 \\ - 3826 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 5037 \\ - 2563 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 8233 \\ - 4528 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 3586 \\ - 679 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 7251 \\ - 5738 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 9346 \\ - 1755 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 4978 \\ - 3572 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 5263 \\ - 2957 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 4384 \\ - 756 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 2034 \\ - 1758 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 6243 \\ - 2753 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 7621 \\ - 2954 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 6607 \\ - 4254 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 8032 \\ - 5829 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 3244 \\ - 978 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 5782 \\ - 2499 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 6000 \\ - 4348 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 4266 \\ - 2952 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 9164 \\ - 3527 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 7020 \\ - 1864 \\ \hline \end{array}$$

$$\begin{array}{r} 21) \quad 3136 \\ - 1827 \\ \hline \end{array}$$

$$\begin{array}{r} 22) \quad 6431 \\ - 4738 \\ \hline \end{array}$$

$$\begin{array}{r} 23) \quad 5007 \\ - 1954 \\ \hline \end{array}$$

$$\begin{array}{r} 24) \quad 8240 \\ - 5384 \\ \hline \end{array}$$



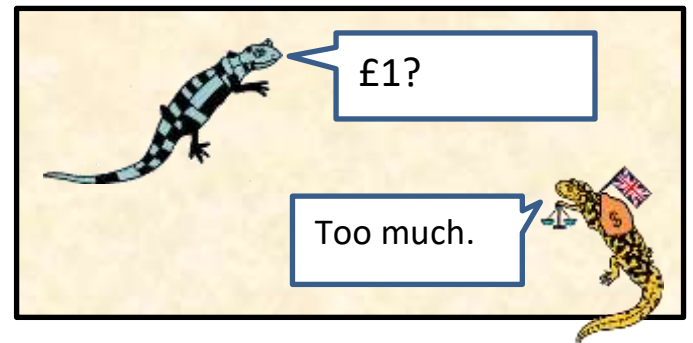
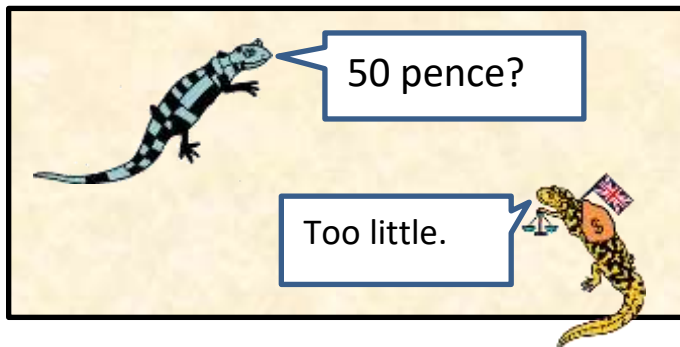
HOW MUCH MONEY CHALLENGE 4:1



Tyger has the silver coins shown above.

- He chooses 3 of the coins and hides them in his sack.
- Newton has to guess how much money he has in his sack.

Use these two picture clues below to help you answer the questions.



How much money could Tyger have in his sack?

There are 6 possibilities - see how many you can find!

	COIN 1	COIN 2	COIN 3	TOTAL
1)				
2)				
3)				
4)				
5)				
6)				

- What is the largest amount of money he could have? _____
- What is the smallest amount of money he could have? _____



PLACE VALUE 4 DIGITS: EXPAND IT 1

Write these numbers in expanded form.

1) 1672 = 1000 + 600 + 70 + 2

2) 2347 =

3) 726 =

4) 3264 =

5) 9273 =

6) 6251 =

7) 2786 =

8) 9045 =

9) 3526 =

10) 5117 =

11) 7108 =

12) 2625 =

13) 8718 =

14) 2609 =

15) 378 =

16) 6273 =

17) 9817 =

18) 5604 =

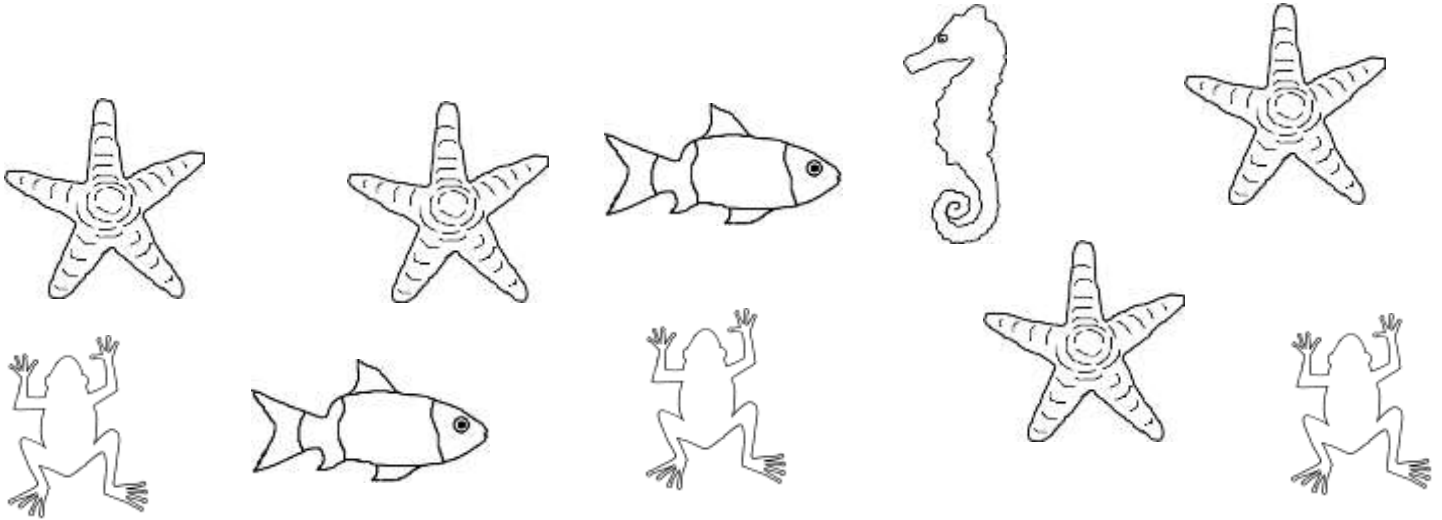
19) 8051 =

20) 6837 =



FRACTION SPOTTING SHEET 3

Help Frazer the Fraction Salamander to spot the fractions.



How many frogs are there? _____ out of _____ creatures

What fraction of the creatures are frogs?

How many starfish are there? _____ out of _____ creatures

What fraction of the creatures are starfish?

How many sea horses are there? _____ out of _____ creatures

What fraction of the creatures are sea horses?

How many fish are there? _____ out of _____ creatures

What fraction of the creatures are fish?



2D SHAPE - CAN YOU DRAW IT? SHEET 1

If you can draw the shape, then draw it in the space below. If it is impossible to draw, write down 'impossible' in the box below.

1) Can you draw a triangle with a line of symmetry?	2) Can you draw a quadrilateral with just 2 right angles?
3) Can you draw a triangle with exactly 2 right angles?	4) Can you draw a pentagon with just 1 mirror line?
5) Can you draw a quadrilateral with 1 pair of parallel lines?	6) Can you draw a triangle with two acute angles?

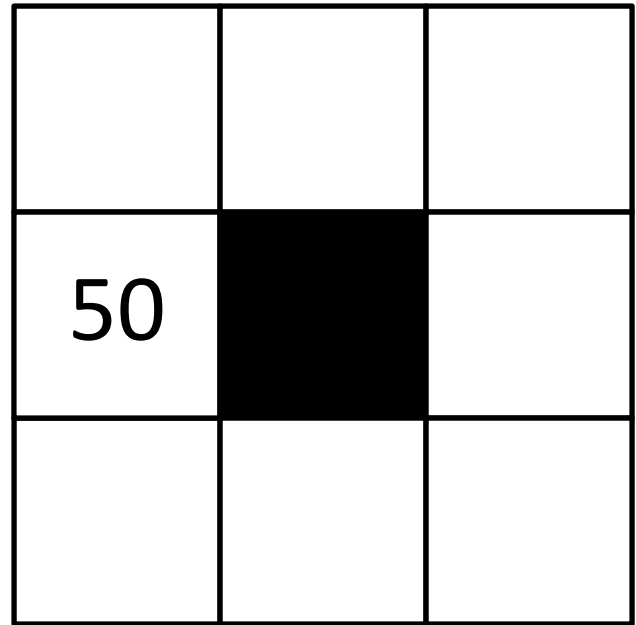


QUADRA'S SQUARE PUZZLE 3

1) Write the numbers 10, 20, 30, 40, 60, 70 and 80 in the correct place so that each side of the square adds up to 150.

10 20 30 40 60 70 80

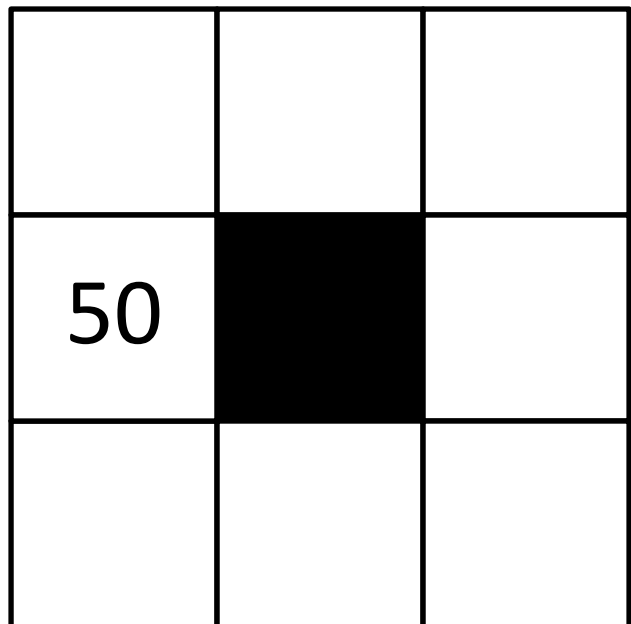
Total must be 150



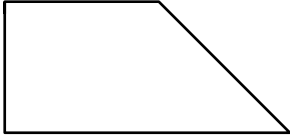

2) Can you write the numbers 10, 20, 30, 40, 60, 70, 80 in the correct place so that each side of the square adds up to 120?

10 20 30 40 60 70 80

Total must be 120



MENTAL MATHS QUIZ 4:3

1)	$7 + \underline{\quad} = 19$	
2)	How many sides does a hexagon have?	
3)	10×7	
4)	What is the value of the digit 1 in the number 4215?	
5)	Round 73 to the nearest 10	
6)	$28 - 25$	
7)	Half of 16	
8)	How many minutes in three quarters of an hour?	
9)	How many right angles can you see in the shape? 	
10)	The time is 10:20am. What will the time be in 2 hours?	
11)	What is the missing number in the sequence? 39, 37, 35, 33, 31, <u> </u>	
12)	$14 + 9 + 6$	
13)	Write down the number four hundred thirty-six	
14)	What is the total of all the coins? 	
15)	The date is 28 th April. What will the date be in 5 days' time?	
16)	How many mm is $3 \frac{1}{2}$ cm?	

THE PIT OF DOOM

5 TO -20

NEGATIVE NUMBER GAME

The Pit of Doom is a fun dice game which involves trying to escape from the pit before you get swallowed. It is a good game for helping children to understand negative numbers and number sequences from 5 to -20. There are no strategies involved in playing – just luck!

Age range: 3rd Grade +

Number of players: 2+

Learning: Learn to use negative numbers to -20, and know where they are placed on a number line.

You will need

- 1 counter per player
- 1 dice

Instructions

- All players place their counters at zero on the board.
- Roll the dice and follow the instruction on the game board.
- If you roll a 6, you have to roll an odd number on your next turn to continue.
- If you fall below -20, then you get swallowed and are out of the game.
- The winner is either the first player to get out of the pit, or the last player left who has not been swallowed.

Variations

- Roll 2 dice and follow the instructions on the game board for each dice separately.
- Make up your own rules for what happens when you roll each number on the dice.
- Change the game so that the winner is the first person to get swallowed.

THE PIT OF DOOM

5 TO -20



DICE ROLL

- 1 = STAY WHERE YOU ARE
- 2 = GO DOWN 1 PLACE (-1)
- 3 = GO DOWN 2 PLACES (-2)
- 4 = GO UP A PLACE (+1)
- 5 = GO DOWN 3 PLACES (-3)
- 6 = STUCK – THROW AN ODD NUMBER TO CONTINUE

Who will survive the longest?

START

Will you be the pit's next victim?

You have been swallowed!

Swallowing time coming up!