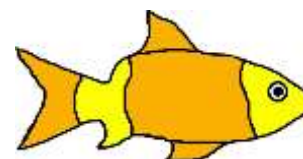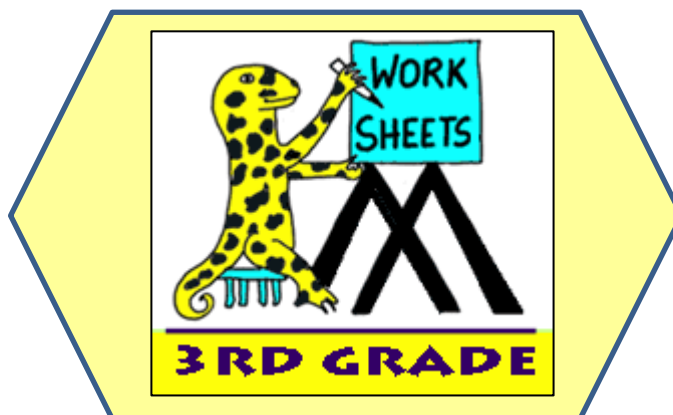# MATH SALAMANDERS 3RD GRADE GRAB PACK 3

This pack is a selection of 10 Math sheets and one game designed especially for third graders. We have taken all the sheets from our 3rd grade area on our site.

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

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

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| 1 | 4-Digit Addition Sheet 3 | 7 | Fraction Spotting Sheet 3 |
| 2 | Magic Square Worksheet 3.1 | 8 | 2D Shape Can You Draw It 1 |
| 3 | Easter Codebreaker 2B | 9 | Quadra's Square Puzzle 3 |
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| 5 | How Much Money Challenge 3A | 11 | Pit Of Doom 5 to -20 Game |
| 6 | Place Value 4 Digits Expand It 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

# 4-DIGIT ADDITION SHEET 3

1)     6723
   +  5168

2)     5208
   +  4329

3)     7642
   +   495

4)     4437
   +  2085

5)     8703
   +  1948

6)     3266
   +   584

7)     1876
   +  1954

8)     7052
   +  3759

9)     9256
   +   852

10)     5738
    +  4907

11)     3674
    +  2937

12)     8516
    +  1940

13)     6618
    +  7295

14)     4473
    +  3928

15)     9438
    +  1582

16)     5881
    +  1706

17)     3894
    +   438

18)     8328
    +  1563

19)     7433
    +  5807

20)     2819
    +  1754

21)     5783
    +  4217

22)     7875
    +  4328

23)     9516
    +  4083

24)     5637
    +  5394

# 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

1)  6754
  − 3826

2)  5037
  − 2563

3)  8233
  − 4528

4)  3586
  −  679

5)  7251
  − 5738

6)  9346
  − 1755

7)  4978
  − 3572

8)  5263
  − 2957

9)  4384
  −  756

10)  2034
  − 1758

11)  6243
  − 2753

12)  7621
  − 2954

13)  6607
  − 4254

14)  8032
  − 5829

15)  3244
  −  978

16)  5782
  − 2499

17)  6000
  − 4348

18)  4266
  − 2952

19)  9164
  − 3527

20)  7020
  − 1864

21)  3136
  − 1827

22)  6431
  − 4738

23)  5007
  − 1954

24)  8240
  − 5384

# HOW MUCH MONEY CHALLENGE 3A

**Tyger has the 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.*

Frazer
20 cents?
Tyger
Too little.

Frazer
50 cents?
Tyger
Too much.
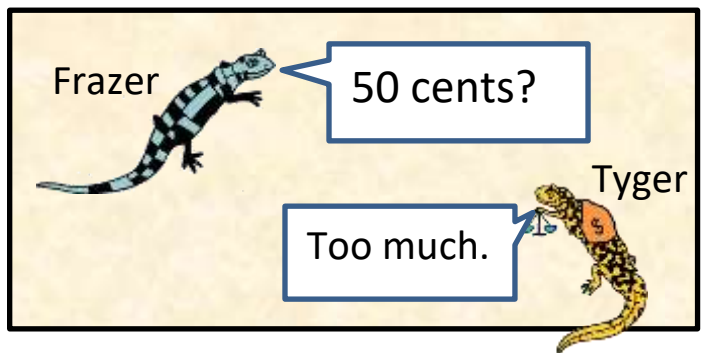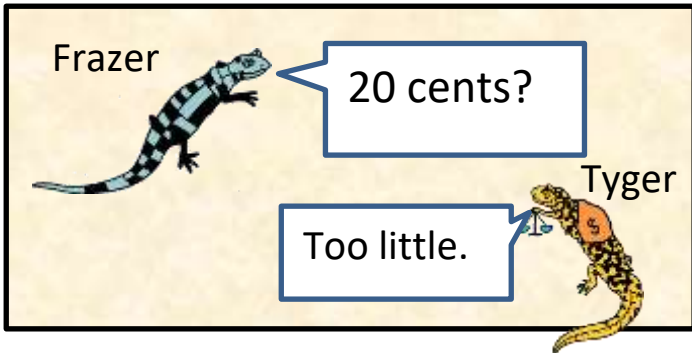
## How much money could Tyger have in his sack?

| | COIN 1 | COIN 2 | COIN 3 | TOTAL (¢) |
|---|---|---|---|---|
| 1) | | | | |
| 2) | | | | |
| 3) | | | | |
| 4) | | | | |
| 5) | | | | |
| 6) | | | | |
| 7) | | | | |
| 8) | | | | |

*There are 8 possibilities - see how many you can find!*

*What are the largest and smallest amounts of money he could have chosen?*

*Largest: _____ ¢*

*Smallest: _____ ¢*

# PLACE VALUE 4 DIGITS: EXPAND IT 1

**Write these numbers in expanded form.**

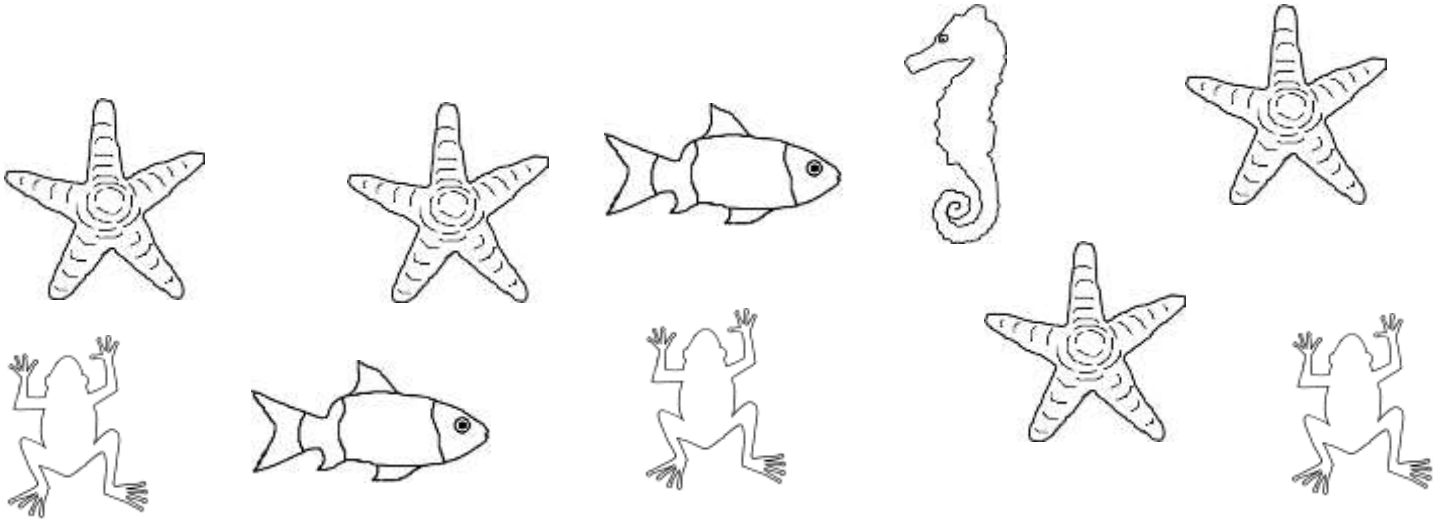| | | | |
|---|---|---|---|
| 1) | 1672 | = | 1000 + 600 + 70 + 2 |
| 2) | 2347 | = | |
| 3) | 726 | = | |
| 4) | 3264 | = | |
| 5) | 9273 | = | |
| 6) | 6251 | = | |
| 7) | 2786 | = | |
| 8) | 9045 | = | |
| 9) | 3526 | = | |
| 10) | 5117 | = | |
| 11) | 7108 | = | |
| 12) | 2625 | = | |
| 13) | 8718 | = | |
| 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?
$$\boxed{\phantom{-}}$$

How many starfish are there? _____ out of _____ creatures

What fraction of the creatures are starfish?
$$\boxed{\phantom{-}}$$

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

What fraction of the creatures are sea horses?
$$\boxed{\phantom{-}}$$

How many fish are there? _____ out of _____ creatures

What fraction of the creatures are fish?
$$\boxed{\phantom{-}}$$

# 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

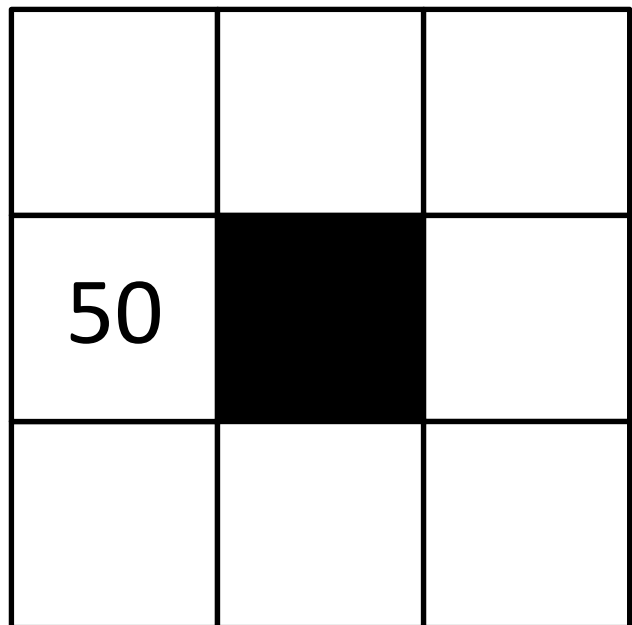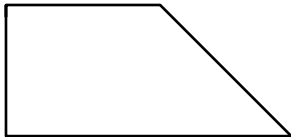|  |  |  |
|---|---|---|
| 50 | ■ |  |
|  |  |  |
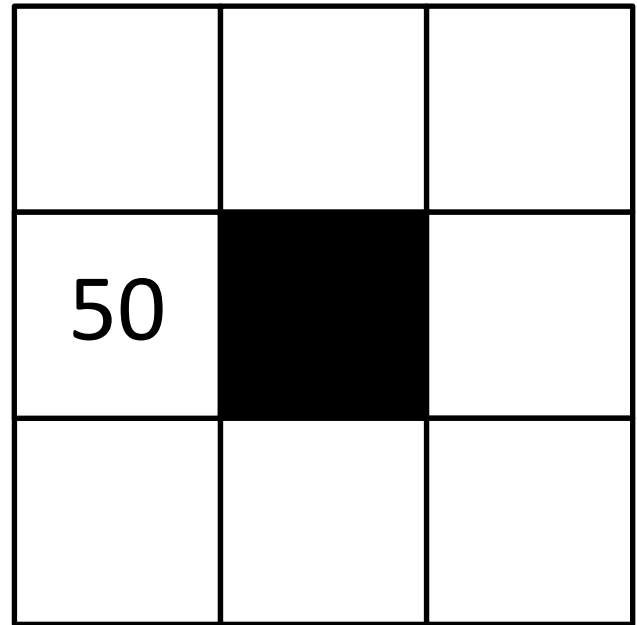
2) Can you write the numbers 10, 20, 30, 40, 60, 70, 80 in the correct place so that each side of the square adds up to 120?

10  20  30  40  60  70  80

Total must be 120

|  |  |  |
|---|---|---|
| 50 | ■ |  |
|  |  |  |

# MENTAL MATH QUIZ 3:3

| | | |
|---|---|---|
| 1) | 7 + ___ = 12 | |
| 2) | How many sides does a hexagon have? | |
| 3) | 10 x 7 | |
| 4) | What is the value of the digit 1 in the number 4215? | |
| 5) | Round 73 to the nearest 10 | |
| 6) | 18 – 15 | |
| 7) | Half of 16 | |
| 8) | How many minutes in half 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:<br>39, 37, 35, 33, 31, ___ | |
| 12) | 4 + 9 + 6 | |
| 13) | Write down the number four hundred thirty-six | |
| 14) | What is the total of all the coins? | |
| 15) | The date is April 28. What will the date be in 5 days' time? | |
| 16) | How many cm is 6 meters? | |

# 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**: 3<sup>rd</sup> 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** YOU HAVE ESCAPED

4

3

2

1

**START**

0

-1

-2

-3

-4

-5

-6

-7

-8

-9

-10

-11

-12

-13

-14

-15

-16

-17

-18

-19

-20

Who will survive the longest?

## 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**

Will you be the pit's next victim?

You have been **swallowed**!

**Swallowing time coming up!**

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