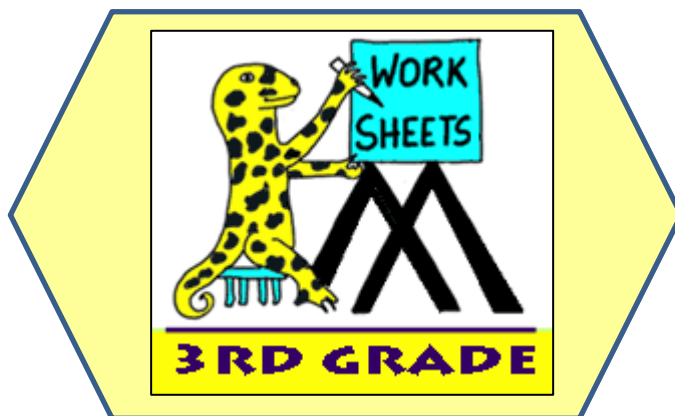


# MATH SALAMANDERS

## 3RD GRADE GRAB PACK 5

This pack is a selection of 10 Math sheets designed especially for third graders.

We have taken all the sheets from our 3<sup>rd</sup> 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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3	Magic Square 3	9	The Two Chests Puzzle 3
4	4-Digit Addition Sheet 4	10	Tyger's Money Square Challenge 3A
5	Number Fill In Sheet 3	11	Catch the Stars 1 to 12 Game
6	Block Symmetry Sheet 3		

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>



# PLACE VALUE COUNTERS UP TO THOUSANDS SHEET 1

Count the total in each box.

1) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">1000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">300</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">20</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">4</div> </div>	2) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">700</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">5</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">4000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">30</div> </div>	3) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">9000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">100</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">7</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">50</div> </div>
How many?	How many?	How many?
4) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">1000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">20</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">9</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">600</div> </div>	5) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">4000</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">8</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">300</div> </div>	6) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">1000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">500</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">60</div> </div>
How many?	How many?	How many?
7) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">2000</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">4</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">50</div> </div>	8) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">5000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">3</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">2000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">40</div> </div>	9) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">6</div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">4000</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">100</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">500</div> </div>
How many?	How many?	How many?
10) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">6000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">4</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">10</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">300</div> </div>	11) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">5000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">8</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">40</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">30</div> </div>	12) <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; margin: 5px;">5000</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">6</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">40</div> <div style="border: 1px solid black; border-radius: 50%; padding: 5px; margin: 5px;">3</div> </div>
How many?	How many?	How many?



## PLACE VALUE RIDDLES 3A

Select the correct answer from a choice of 8 possibilities.

- 1) I am a 3-digit number.  
 I am greater than 350.  
 My hundreds digit is even.  
 I am not a multiple of 5.  
 Who am I?

782	495	328	294
684	583	835	962

- 2) I am not a multiple of 10.  
 My tens digit is a multiple of 3.  
 If you round me to the nearest 100, I become 500.  
 Who am I?

427	476	562	460
528	592	530	535



## MAGIC SQUARE 3

A magic square is a square where each line of 3 numbers (vertical, horizontal and diagonal) adds up to the same amount.

1) Write the numbers 3, 4, 5, 6, 8, 9, 10, and 11 in the correct place so that each line (vertical, horizontal and diagonal) adds up to 21.

3   4   5   6   8   9   10   11

Total must be 21



	7	

2) Can you find another magic square with the same total and numbers?

3   4   5   6   8   9   10   11

Total must be 21



	7	



## 4-DIGIT ADDITION SHEET 4

$$\begin{array}{r} 1) \quad 6368 \\ + \quad 2951 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 5093 \\ + \quad 2765 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 8429 \\ + \quad 3704 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 5786 \\ + \quad 409 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 7384 \\ + \quad 3916 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 4517 \\ + \quad 5734 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 8284 \\ + \quad 4532 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 6607 \\ + \quad 4735 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 8573 \\ + \quad 664 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 6539 \\ + \quad 2287 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 5740 \\ + \quad 7289 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 6938 \\ + \quad 76 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 7355 \\ + \quad 2843 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 9803 \\ + \quad 7538 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 3327 \\ + \quad 986 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 4773 \\ + \quad 6085 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 5388 \\ + \quad 4632 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 7985 \\ + \quad 2737 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 8953 \\ + \quad 1466 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 3926 \\ + \quad 2419 \\ \hline \end{array}$$

$$\begin{array}{r} 21) \quad 8067 \\ + \quad 6243 \\ \hline \end{array}$$

$$\begin{array}{r} 22) \quad 6138 \\ + \quad 3376 \\ \hline \end{array}$$

$$\begin{array}{r} 23) \quad 9244 \\ + \quad 876 \\ \hline \end{array}$$

$$\begin{array}{r} 24) \quad 7186 \\ + \quad 5947 \\ \hline \end{array}$$



## NUMBER FILL IN PUZZLE 3

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

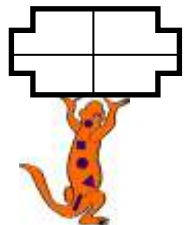
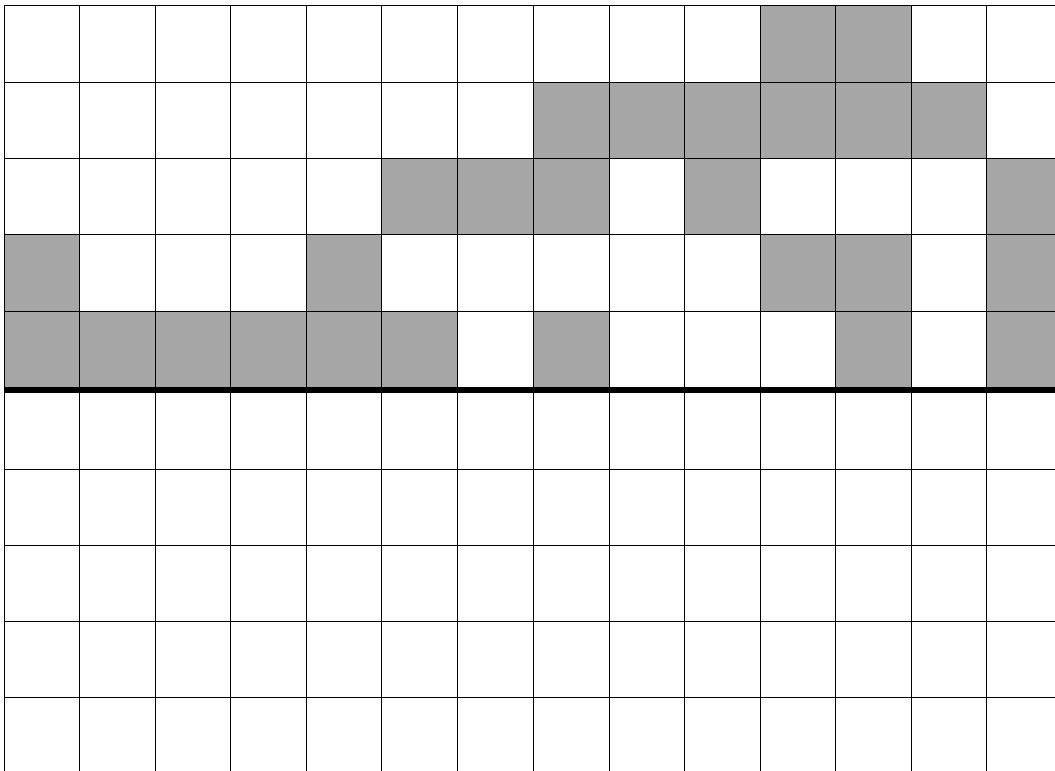
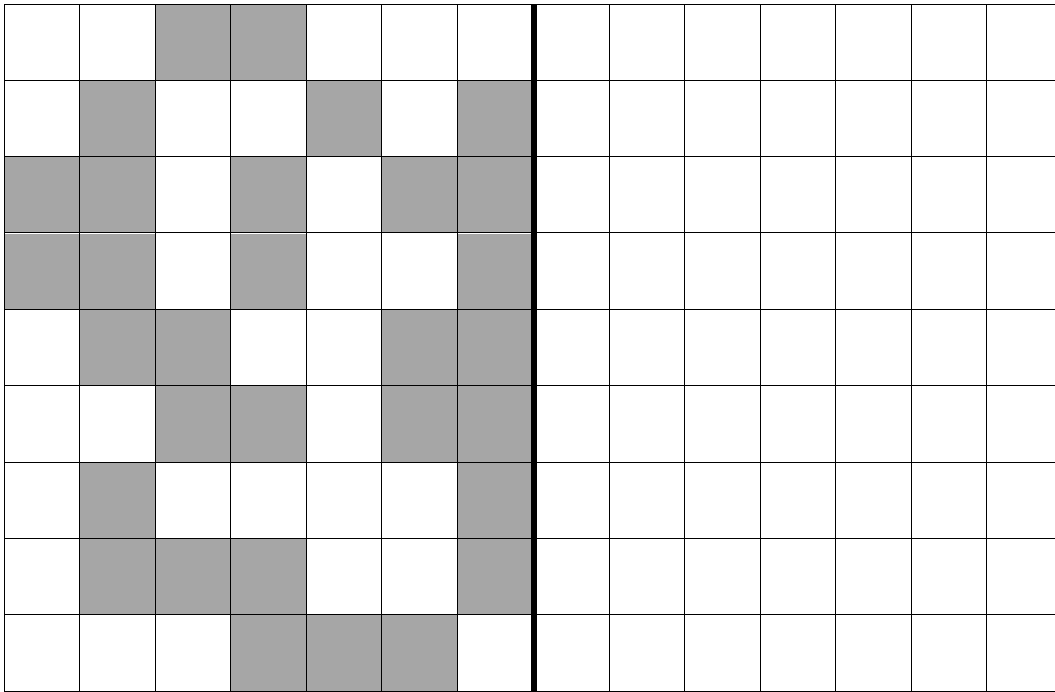
5											
6											
2											
9											
7											
1											
					9	7	0	2			

3 DIGITS	4 DIGITS		5 DIGITS		6 DIGITS
187	1098	6279	18091	53784	159304
260	1947	7386	23765	67037	<del>562971</del>
365	3265	7649	25971	87197	
705	4671	8063	35876	94102	
729	5069	<del>9702</del>	39678	95471	
963	5934	9746			
973					



# BLOCK SYMMETRY SHEET 3

Complete the missing half of these shapes using the mirror line.



## 4-DIGIT SUBTRACTION SHEET 4

$$\begin{array}{r} 1) \quad 4275 \\ - 2836 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 8162 \\ - 3657 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 7445 \\ - 529 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 4807 \\ - 3826 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 6755 \\ - 1498 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 5632 \\ - 884 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 3283 \\ - 1758 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 4913 \\ - 2756 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 8956 \\ - 2705 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 5021 \\ - 3638 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 3912 \\ - 3576 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 2744 \\ - 396 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 7500 \\ - 1746 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 4428 \\ - 3762 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 8143 \\ - 5766 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 4976 \\ - 2834 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 5275 \\ - 687 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 4000 \\ - 1832 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 6631 \\ - 5827 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 8045 \\ - 6729 \\ \hline \end{array}$$

$$\begin{array}{r} 21) \quad 3005 \\ - 2779 \\ \hline \end{array}$$

$$\begin{array}{r} 22) \quad 7623 \\ - 3187 \\ \hline \end{array}$$

$$\begin{array}{r} 23) \quad 9021 \\ - 2785 \\ \hline \end{array}$$

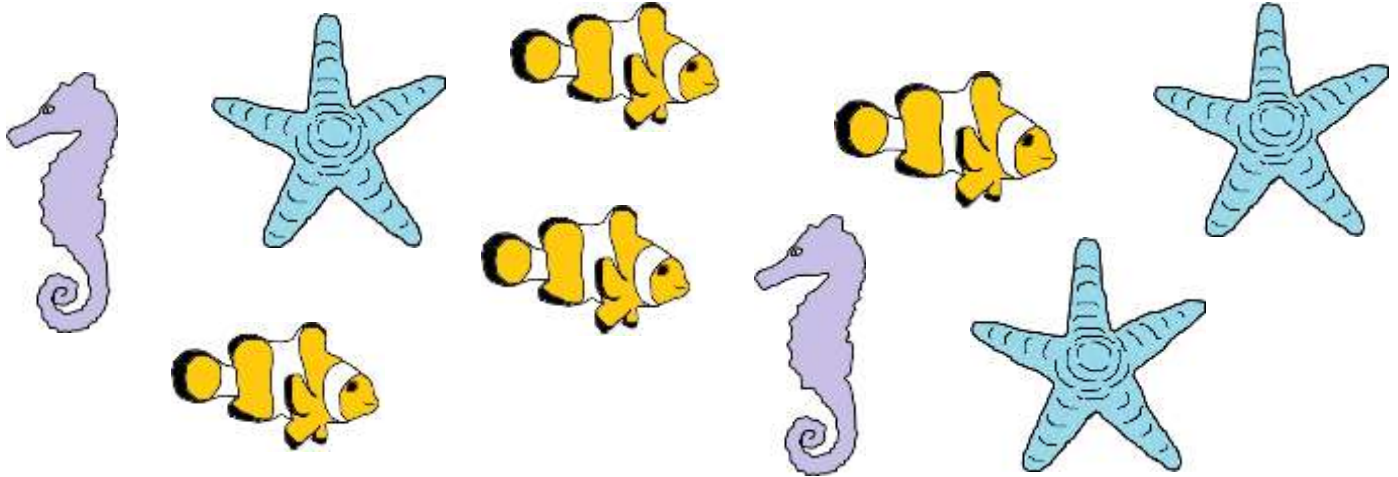
$$\begin{array}{r} 24) \quad 4538 \\ - 3995 \\ \hline \end{array}$$





## FRACTION SPOTTING SHEET 5

Help Frazer the Fraction Salamander to spot the fractions.



What fraction of the creatures are clown fish?

What fraction of the creatures are seahorses?

What fraction of the creatures are starfish?

Another clown fish comes along to join the group.



What are the new fractions of each type of creature?

Fraction of clown fish

Fraction of seahorses

Fraction of starfish

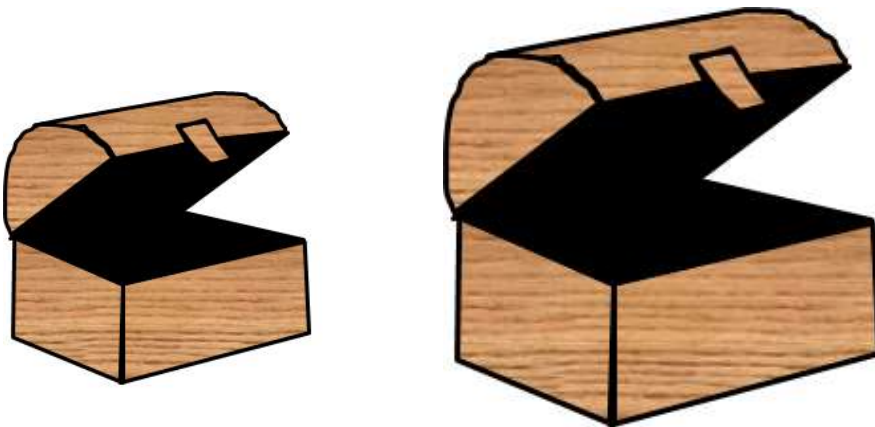


## THE TWO CHESTS PUZZLE 3

There are 5 bags of coins with 5, 10, 15, 20 and 25 gold coins in.

Put the bags of coins into the two chests so that the bigger chest has twice as many coins as the bigger chest.

You cannot open the bags and take the coins out!



There are 3 different ways to do it.

How many can you find?



SMALLER CHEST	LARGER CHEST



## TYGER'S MONEY SQUARE CHALLENGE 3A

To complete this challenge, you need to use 2 dimes, 3 nickels and 2 pennies.



			20¢
			12¢
			16¢

25¢


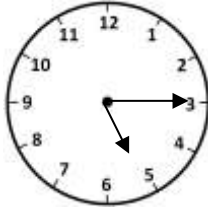
7¢

16¢

In each square you need to place a coin so that the total at the end of each row or column is correct.



# MENTAL MATH QUIZ 3:5

1)	Write down 3 odd numbers that add up to 19	
2)	___ - 4 = 11	
3)	Write down the number one thousand three hundred twenty.	
4)	$21 \div 3$	
5)	Round 827 to the nearest 100.	
6)	What is the perimeter of this rectangle? <div style="text-align: right; margin-right: 100px;">  </div>	
7)	What is the next number in this sequence? 83, 80, 77, 74, 71, ___	
8)	What is the time in digital? <div style="text-align: center; margin: 10px 0;">  </div>	
9)	Write down a multiple of 4 between 29 and 37	
10)	I have \$1. I spend 35¢. How much do I have left?	
11)	A ladder is 10 _____ tall. Which word is missing? <b>inches    feet    cm</b>	
12)	How many nickels makes 4 dimes?	
13)	What number comes halfway between 7 and 8?	
14)	How many wheels on 8 cars?	
15)	Half of 32	
16)	The date is the August 15. What was the date 2 weeks ago?	

# ★ CATCH THE STARS 1 TO 12 ★

*Catch the Stars is a dice game which involves adding and subtracting the numbers on the dice to make a number from 1 to 12.*

*It is good for developing quick recall of addition and subtraction facts and the ability to manipulate numbers mentally.*

**Number of players:** 2-4

**Learning:**

- Add and subtract three numbers between 1 and 6

**You will need**

- Each player will need 6 counters of the same color. E.g. Player 1: red, Player 2: yellow.
- 3 dice (you can play the game with just one dice)

**Instructions**

- Take turns to throw the dice. If you do not have 3 dice, roll one dice three times and write down the numbers.
- Use the numbers on the dice and your addition and subtraction skills to make an answer with the value of one of the uncovered stars.
- Cover the star up with one of your counters – you have caught it!
- If you can't make the value of one of the uncovered stars, you give the dice to the next player.
- The winner is the player who has covered (or 'caught') the most stars when all the stars are covered up.

**Example:** If you roll a 3, 5 and a 1, you could cover up:

**9 (5+3+1), 7 (5+3-1), 3 (5+1-3), or 1 (5-3-1)**

**Variations**

- Easier version – play the game with 2 dice only.
- If you are playing this game on your own, see how many goes (or how long) it takes to complete it.
- Allow multiplication as well as addition and subtraction makes this game more challenging for more able mathematicians.

**Alternative winning strategy:**

- The first player to collect three stars in a row (horizontal or vertical) is the winner.

# ★ CATCH THE STARS ★

## 1 TO 12

Captain Salamander has asked you to catch as many stars as you can for him to put in his rocket. The player who catches the most stars is the winner!

