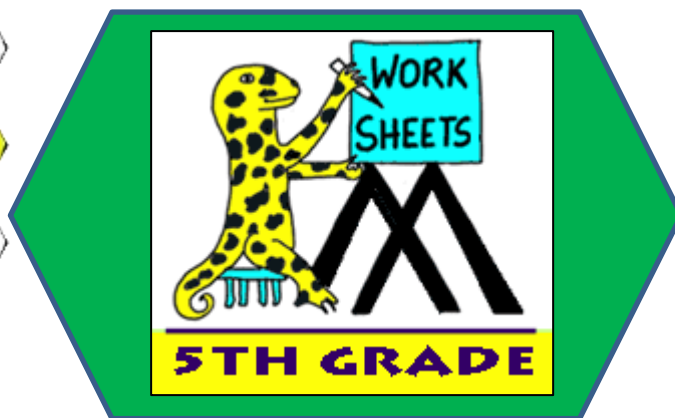
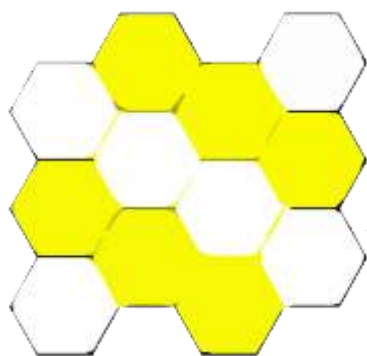


MATH SALAMANDERS 5TH GRADE GRAB PACK 5

This pack is a selection of 10 Math sheets and one game designed especially for fifth graders. We have taken all the sheets from our 5th 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.

CONTENTS			
1	Place Value Tenths and Hundredths 2	7	Count on by Decimals 1
2	Rounding up to 2dp Sheet 1	8	Multiplication & Division Related Facts
3	Number Grid Challenge 5	9	Line Symmetry Sheet 10
4	PEMDAS Challenges 5:2	10	Mental Math Quiz 5:5
5	Find Simple Percentages 1	11	Classify It Game #5
6	Fraction Riddles 4C		

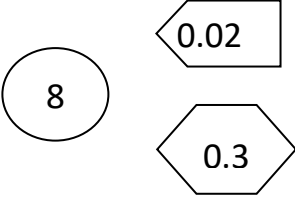
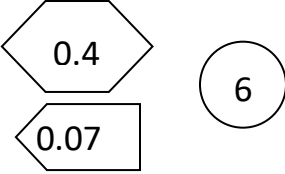
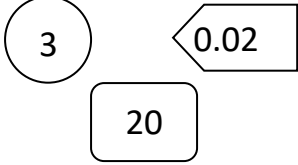
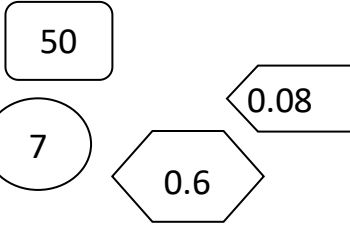
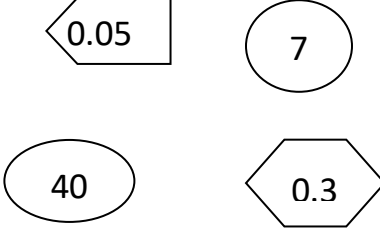
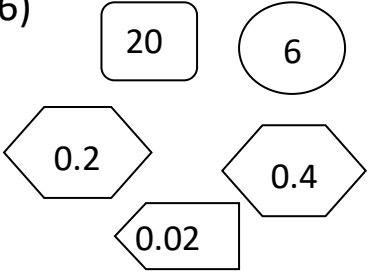
Please give us feedback on our packs – both what you liked and what sheets you would like to see more of by leaving a comment on the link below.

<https://www.math-salamanders.com/math-grab-packs.html>



PLACE VALUE: TENTHS & HUNDREDTHS SHEET 2

Count the total in each box.

1) 	2) 	3) 
How many?	How many?	How many?
4) 	5) 	6) 
How many?	How many?	How many?
7) 6 ONES + 2 TENTHS + 4 HUNDREDTHS	8) 7 ONES + 3 TENTHS 5 HUNDREDTHS	9) 7 TENTHS + 4 HUNDREDTHS
How many?	How many?	How many?
10) 8 ONES + 2 TENTHS + 5 HUNDREDTHS	11) 4 TENS + 7 ONES + 2 HUNDREDTHS	12) 1 ONE + 9 TENTHS + 4 HUNDREDTHS
How many?	How many?	How many?
13) 6 TENTHS + 1 ONE + 5 HUNDREDTHS	14) 4 TENTHS + 2 ONES + 6 HUNDREDTHS	15) 9 HUNDREDTHS + 3 ONES + 3 TENTHS
How many?	How many?	How many?
16) 2 TENTHS + 3 ONES + 7 HUNDREDTHS	17) 9 HUNDREDTHS + 5 TENTHS	18) 2 HUNDREDTHS + 7 ONES
How many?	How many?	How many?

Key Decimal Fact: the number 8.27 lies between 8.2 and 8.3 on a number line.



ROUNDING UP TO 2 DECIMAL PLACES SHEET 1

Round these numbers to the nearest whole

- 1) 3.94 → _____ 2) 12.14 → _____ 3) 23.2 → _____
 4) 15.26 → _____ 5) 14.52 → _____ 6) 12.38 → _____
 7) 90.82 → _____ 8) 24.59 → _____ 9) 63.08 → _____
 10) 29.51 → _____ 11) 38.74 → _____ 12) 118.4 → _____

Round these numbers to the nearest tenth

- 1) 4.83 → _____ 2) 1.94 → _____ 3) 15.28 → _____
 4) 19.31 → _____ 5) 3.97 → _____ 6) 0.74 → _____
 7) 7.016 → _____ 8) 19.372 → _____ 9) 90.024 → _____
 10) 83.23 → _____ 11) 9.567 → _____ 12) 0.417 → _____

Round these numbers to 2dp

- 1) 1.174 → _____ 2) 5.029 → _____ 3) 0.017 → _____
 4) 15.264 → _____ 5) 3.996 → _____ 6) 1.083 → _____
 7) 24.361 → _____ 8) 0.9017 → _____ 9) 2.818 → _____
 10) 4.617 → _____ 11) 6.301 → _____ 12) 0.0752 → _____
 13) 1.2837 → _____ 14) 8.295 → _____ 15) 14.004 → _____

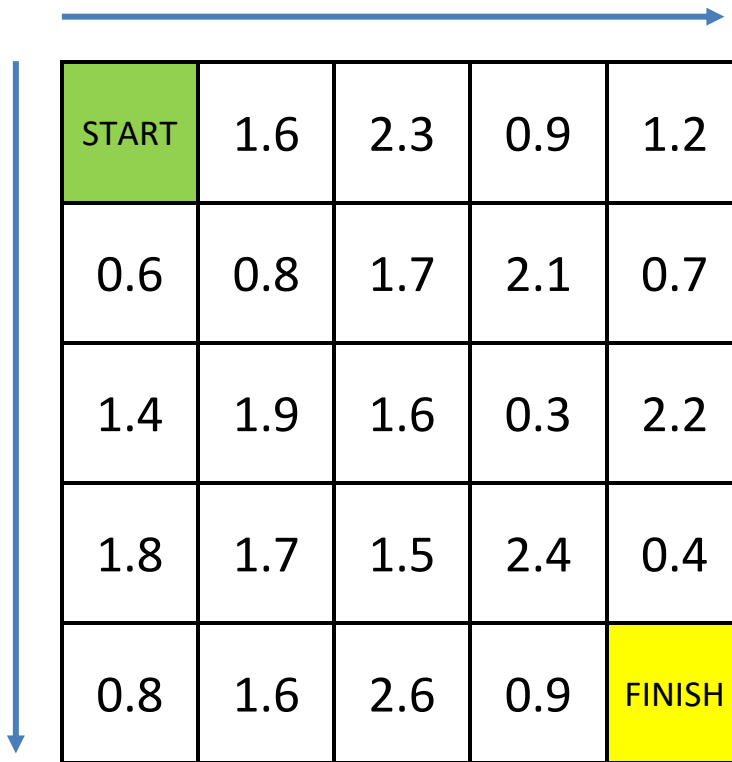
NUMBER GRID CHALLENGE 5: TARGET 10

Start the maze with zero.

You have to finish the maze with a total of 10.

Your route can go **right** or **down** at each turn.

There are 3 possible routes. Can you find them?



START	1.6	2.3	0.9	1.2
0.6	0.8	1.7	2.1	0.7
1.4	1.9	1.6	0.3	2.2
1.8	1.7	1.5	2.4	0.4
0.8	1.6	2.6	0.9	FINISH

Extra Challenge

Find the route with the highest total.

Find the route with the lowest total.

PEMDAS CHALLENGES 5:2 - MAKE 64

Your challenge is to place the digits in the correct place to make an answer of 64 each time.

CHALLENGE A:

Use the digits 12, 8 and 4

$$\underline{\quad} \times (\underline{\quad} - \underline{\quad}) = 64$$

CHALLENGE B:

Use the digits 4, 7 and 9

$$(\underline{\quad} + \underline{\quad}) \times \underline{\quad} = 64$$

CHALLENGE C:

Use the digits 4, 3, 8 and 10

$$\underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} = 64$$

CHALLENGE D:

Use the digits 2, 6, 12, 16

$$\underline{\quad} \times \underline{\quad} - \underline{\quad} \div \underline{\quad} = 64$$

FIND SIMPLE PERCENTAGES SHEET 1

Find these percentages of numbers and amounts.

A) 50% and 100%

- | | | |
|-----------------|------------------|-----------------|
| 1) 50% of 14 = | 2) 50% of 60 = | 3) 100% of 12 = |
| 4) 50% of 24 = | 5) 100% of 25 = | 6) 50% of 18 = |
| 7) 100% of 17 = | 8) 50% of 40 = | 9) 50% of 80 = |
| 10) 50% of 50 = | 11) 100% of 64 = | 12) 50% of 38 = |

B) 1% and 10%

- | | | |
|------------------|------------------|------------------|
| 1) 10% of 70 = | 2) 10% of 30 = | 3) 1% of 400 = |
| 4) 10% of 30 = | 5) 1% of 500 = | 6) 10% of 120 = |
| 7) 10% of 400 = | 8) 1% of 1200 = | 9) 1% of 3800 = |
| 10) 10% of 500 = | 11) 10% of 180 = | 12) 1% of 1800 = |

C) 1%, 10%, 50% and 100%

- | | | |
|------------------|------------------|-------------------|
| 1) 50% of 40 = | 2) 1% of 700 = | 3) 10% of 140 = |
| 4) 100% of 80 = | 5) 10% of 320 = | 6) 50% of 160 = |
| 7) 1% of 900 = | 8) 50% of 72 = | 9) 10% of 900 = |
| 10) 10% of 320 = | 11) 1% of 5300 = | 12) 100% of 120 = |
| 13) 50% of 240 = | 14) 1% of 2700 = | 15) 10% of 800 = |

FRACTION RIDDLES 4C

Use the clues to find the correct fraction from the 8 possibilities.

CHALLENGE 1

- I am not equivalent to $\frac{1}{4}$.
- My value is less than a half.
- My value is not the same as a third.
- My denominator is even.

Who am I? _____

A $\frac{2}{9}$	B $\frac{4}{6}$	C $\frac{3}{9}$	D $\frac{3}{10}$
E $\frac{2}{6}$	F $\frac{6}{10}$	G $\frac{5}{8}$	H $\frac{2}{8}$

CHALLENGE 2

- My value is greater than or equal to a third.
- My denominator is even.
- My numerator is greater than half of my denominator.
- When you add me to $\frac{2}{5}$, you get a whole.

Who am I? _____



COUNTING ON BY DECIMALS SHEET 1

Each of these sequences counts on by a constant number of tenths.

Fill in all the missing numbers.

1) Count on by 0.2s

0.2		0.6	0.8			1.4	
-----	--	-----	-----	--	--	-----	--

2) Count on by 0.1s

1.7	1.8			2.1			2.4
-----	-----	--	--	-----	--	--	-----

3) Count on by 0.3s

1.0	1.3		1.9			2.8	
-----	-----	--	-----	--	--	-----	--

4) Count on by 0.5s

3.0	3.5			5			6.5
-----	-----	--	--	---	--	--	-----

5) Count on by 0.4s

0.3	0.7		1.5		2.3		3.1
-----	-----	--	-----	--	-----	--	-----

6) Count on by 0.7s

0.7	1.4			3.5		4.9	
-----	-----	--	--	-----	--	-----	--

7) Count on by 0.9s

0.9		2.7	3.6				7.2
-----	--	-----	-----	--	--	--	-----

8) Count on by 0.6s

2	2.6		3.8		5		6.2
---	-----	--	-----	--	---	--	-----

9) Count on by 0.8s

0.8	1.6		3.2		4.8		6.4
-----	-----	--	-----	--	-----	--	-----



MULTIPLICATION & DIVISION RELATED FACTS

DECIMALS TO 1 DECIMAL PLACE SHEET 1

Use the numbers in each box to write two different multiplication facts and two different division facts.

Example	0.4	6	2.4
---------	-----	---	-----

1)	$0.4 \times 6 = 2.4$	$2.4 \div 6 = 0.4$
2)	$6 \times 0.4 = 2.4$	$2.4 \div 0.4 = 6$

3	0.5	1.5
---	-----	-----

1)		
2)		

1.8	0.9	2
-----	-----	---

1)		
2)		

0.8	3.2	4
-----	-----	---

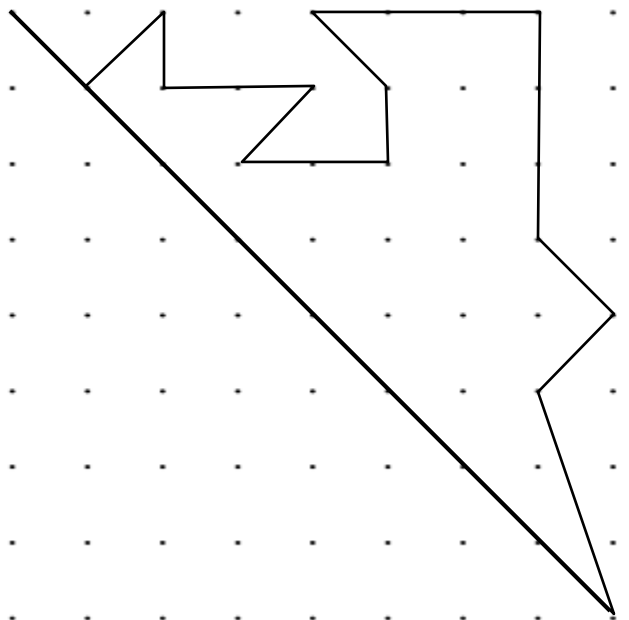
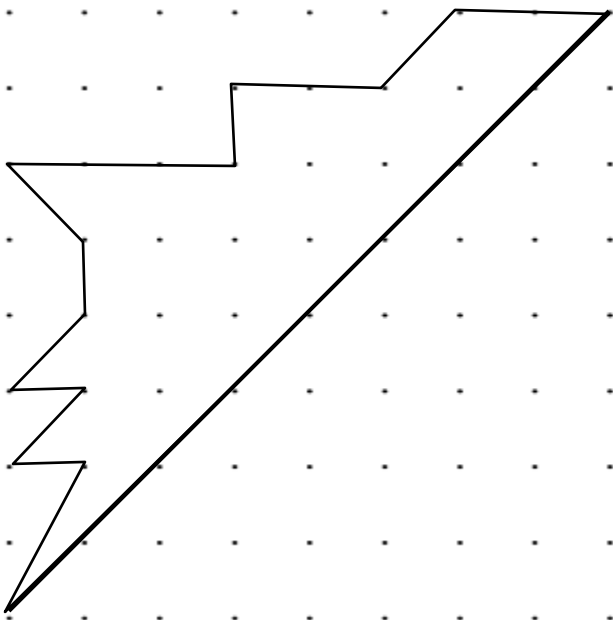
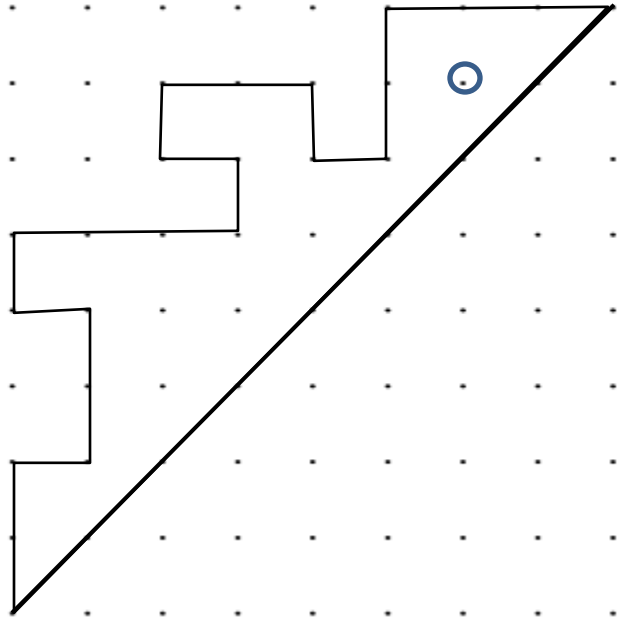
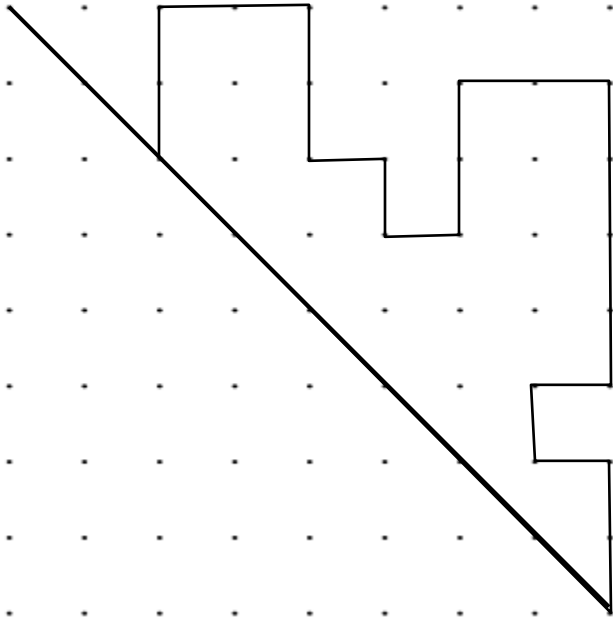
1)		
2)		

4.8	12	0.4
-----	----	-----

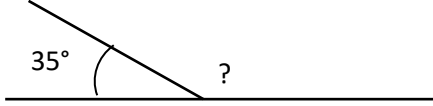
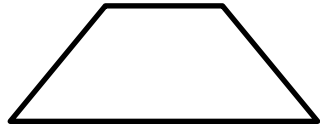
1)		
2)		

LINE SYMMETRY SHEET 10

Complete the missing half of each of the shapes using the mirror lines.



MENTAL MATH QUIZ 5:5

1)	$0.35 + 0.6 + \underline{\hspace{2cm}} = 1$	
2)	$\frac{3}{4}$ of 24	
3)	Which of these numbers is not a multiple of 4? 36 62 28 52 72 88	
4)	If $x = 5$, what is the value of $(2x + 8)/3$	
5)	Add up all the odd numbers between 20 and 26.	
6)	Solve $2x = 12$	
7)	The perimeter of a rectangle is 12cm. The area is 5cm^2 . What is the length of the sides?	
8)	Write down all the prime numbers between 30 and 40.	
9)	What is the missing angle? 	
10)	A scale model of a motorbike is made with a ratio of 1:40. The length on the scale model is 6cm. How long is the actual motorbike?	
11)	$1625 \div 100$	
12)	Sally sells 30 raffle tickets and makes \$18. How much did she sell each ticket for?	
13)	$52.76 = 52 + 0.7 + \underline{\hspace{2cm}}$	
14)	Convert $\frac{17}{6}$ to a mixed number.	
15)	Write 'a' on each acute angle. How many are there? 	
16)	The time is 7:25pm. What is the 24-hour clock time?	
17)	$\frac{1}{5} + \frac{1}{4}$	
18)	A husky runs at 28 miles per hour for 30 minutes. How far has it run?	



CLASSIFY IT! GAME #5

Classify It is a number classifying game to help children develop an understanding of, and familiarity with, mathematical vocabulary. It is quick and easy to play, and is very straightforward to set up.

Level of difficulty: ①

Number of players: 2-3

Learning:

- Adding up the numbers on 4 dice
- Odd and even numbers to 24
- Vocabulary:
 - multiple of ..., divisible by ..., factor of ..., prime number

You will need

- 8 different colored counters per player
- 4 dice

Instructions

- Each player takes turns to roll the dice and add them up. The player then chooses one classification hexagon on the board which matches the total they have rolled. They cover this hexagon up with a counter.
- The cheat sheet can be used to check that the total matches the property if there are any disagreements.
- If a person cannot find any hexagon which matches their number, they pass the dice on to the next player.
- The game finishes when all the hexagons are covered up.
- The winner of the game is the person who manages to cover up most hexagons.

Variations

- Alternative winning rule: the winner of the game is the first person to get 3 counters in a row (vertical or diagonal).

CLASSIFY IT! GAME #5

Cheat sheet

NUMBER	PRIME	FACTOR OF 12	FACTOR OF 15	FACTOR OF 20	DIVISIBLE BY 2	DIVISIBLE BY 3 (MULTIPLE OF 3)	DIVISIBLE BY 4 (MULTIPLE OF 4)	DIVISIBLE BY 5
4	N	Y	N	Y	Y	N	Y	N
5	Y	N	Y	Y	N	N	N	Y
6	N	Y	N	N	Y	Y	N	N
7	Y	N	N	N	N	N	N	N
8	N	N	N	N	Y	N	Y	N
9	N	N	N	N	N	Y	N	N
10	N	N	Y	Y	Y	N	N	Y
11	Y	N	N	N	N	N	N	N
12	N	Y	N	N	Y	Y	Y	N
13	Y	N	N	N	N	N	N	N
14	N	N	N	N	Y	N	N	N
15	N	N	Y	N	N	Y	N	Y
16	N	N	N	N	Y	N	Y	N
17	Y	N	N	N	N	N	N	N
18	N	N	N	N	Y	Y	N	N
19	Y	N	N	N	N	N	N	N
20	N	N	N	Y	Y	N	Y	Y
21	N	N	N	N	N	Y	N	N
22	N	N	N	N	Y	N	N	N
23	Y	N	N	N	N	N	N	N
24	N	N	N	N	Y	Y	Y	N



CLASSIFY IT! GAME #5

Who will cover up the most hexagons?

multiple of 4

factor of 20

divisible by 2

divisible by 3

prime number

< 6

factor of 15

multiple of 3

odd

divisible by 5

not divisible by 4

not a factor of 12

