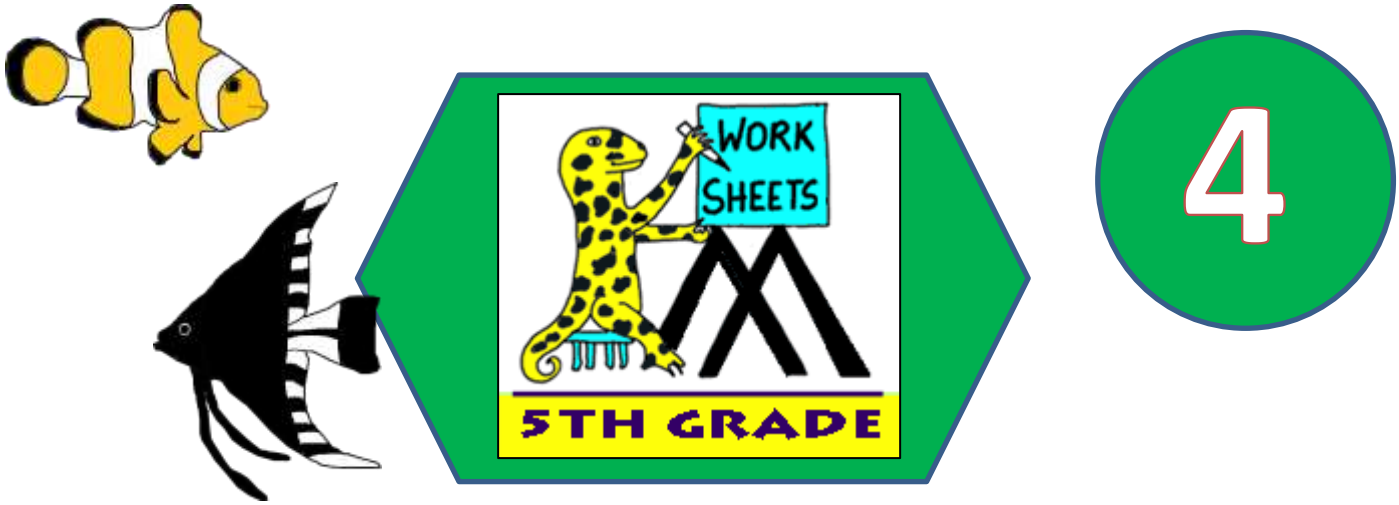
MATH SALAMANDERS
5TH GRADE GRAB PACK 4

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.

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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

DECIMAL SUBTRACTION TO 3DP

1)	82.27	2)	90.45	3)	17.67	4)	728.5
	- 29.55		- 32.19		- 8.28		- 175.7
5)	603.8	6)	56.70	7)	83.14	8)	73.75
	- 275.4		- 24.38		- 57.62		- 48.38
9)	70.82	10)	852.4	11)	35.71	12)	72.40
	- 56.79		- 97.8		- 28.9		- 33.75
13)	603.2	14)	75.4	15)	63.59	16)	2.473
	- 265.8		- 17.58		- 27.3		- 1.245
17)	5.829	18)	75.54	19)	9.738	20)	50.02
	- 2.377		- 47.25		- 4.284		- 19.98
21)	76.38	22)	91.05	23)	6.309	24)	8.053
	- 29.75		- 16.82		- 1.954		- 3.726

NUMBER RIDDLES 5A

Select the correct answer from a choice of 8 possibilities.

1) I am not a prime number.

One of my factors is 3.

I am more than 8^2.

I am one away from a multiple of 7.

Who am I?

78	86	93	67
57	82	71	98

2) I am less than half of 27.

If you multiply me by 10, I become a whole number.

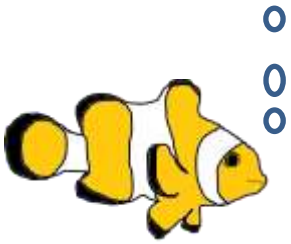
The difference between me and the number 10 is less than 3.

If you round me to the nearest whole number, I round up not down.

Who am I?

13.8	8.4	17.25	9.3
5.37	6.9	4.81	12.6

SOMETHING FISHY #2!

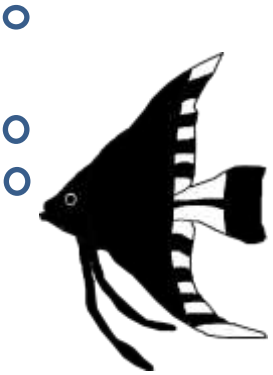


A clownfish costs $3.60 to buy.

An angelfish costs $5.80 to buy.

Sally spends exactly $42 on some clownfish and some angelfish. She buys at least one of each.

How many of each type did she buy?



What if she had spent $52 on fish?

How many of each type did she buy?

AREA AND PERIMETER SHEET 2

Work out the area and perimeter of the following rectangles.

They are not to scale. Remember - **area inside** and **perimeter outside**.

1)

Area = _____ square cm

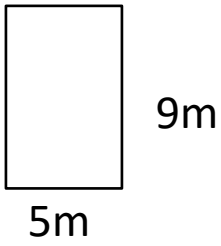
Perimeter = _____ cm

2)

Area = _____ square mm

Perimeter = _____mm

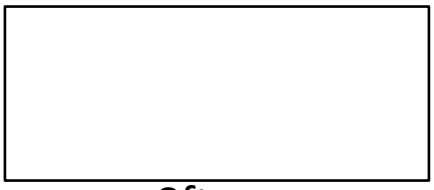
3)



Area = _____ square m

Perimeter = _____ m

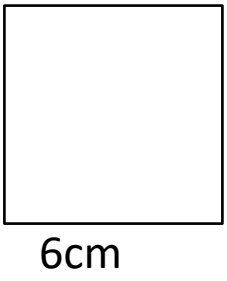
4)



Area = _____ square ft

Perimeter = _____ ft

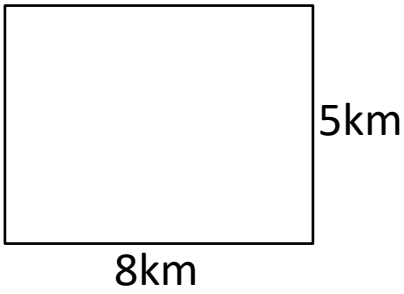
5)



Area = _____ square cm

Perimeter = _____ cm

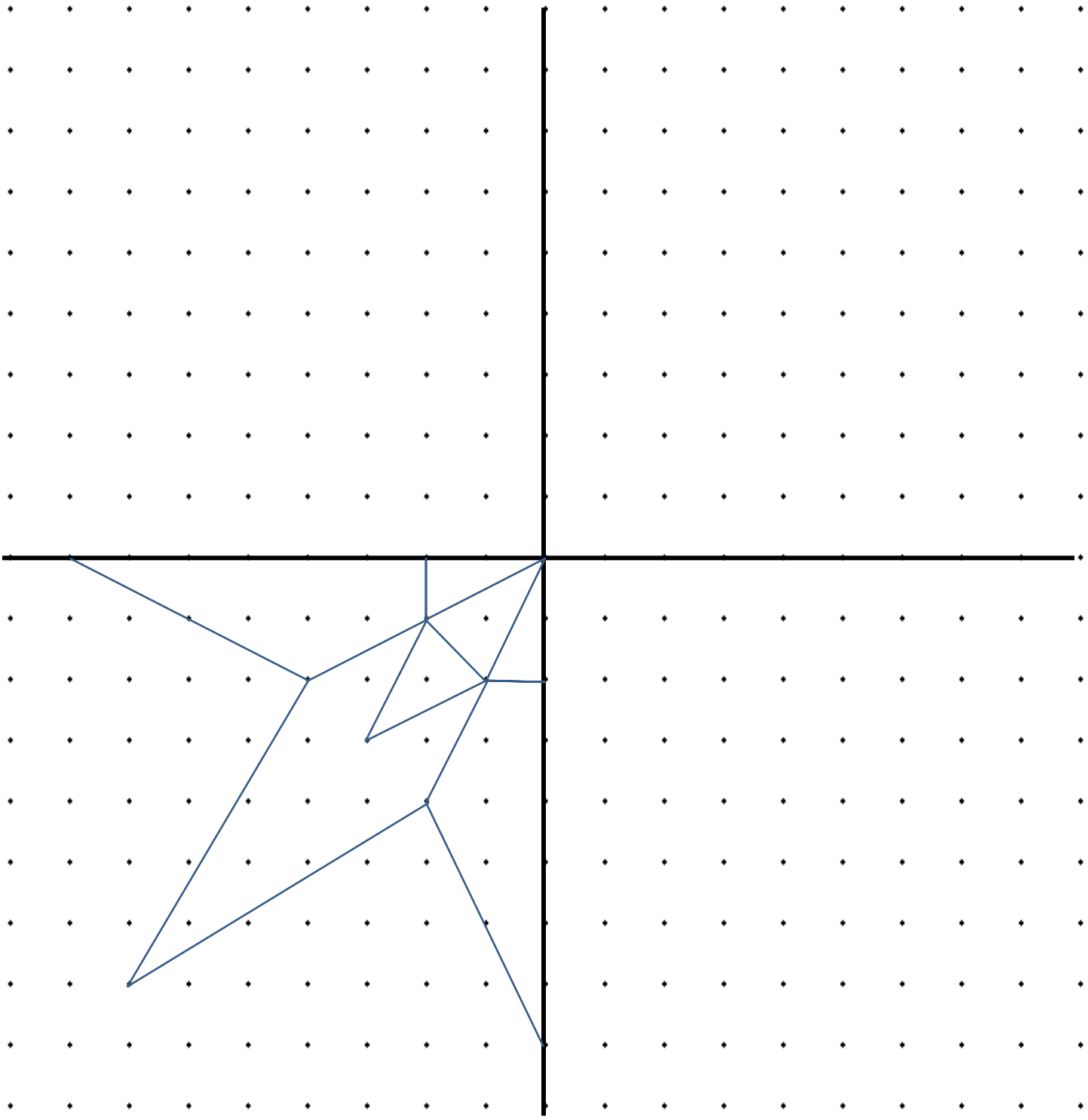
6)



Area = _____ square km

Perimeter = _____ km

2 LINE SYMMETRY FLOWER



DIVISION – 3 DIGITS BY 2 DIGITS SHEET 2

Divide these 3-digit numbers by a 2-digit number.

1) $32\overline{)526}$ 2) $47\overline{)179}$ 3) $15\overline{)756}$

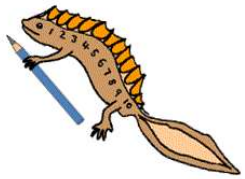
4) $42\overline{)551}$ 5) $65\overline{)388}$ 6) $72\overline{)985}$

7) $18\overline{)794}$ 8) $26\overline{)671}$ 9) $38\overline{)299}$

10) $41\overline{)798}$ 11) $17\overline{)683}$ 12) $56\overline{)421}$

THE FIVE PRIMES PROBLEM

Newton chose five different prime numbers. The largest of his prime numbers was 29.



He added them altogether.

The answer came to 50. Which primes did he add?

Captain also chose five different prime numbers. The largest of his prime numbers was also 29.

He added them together and the answer came to 60.

Which primes did he add?

There are 3 possible answers. How many can you find?

Remember: a prime number is a number with exactly two factors: 1 and itself!

ORDER OF OPERATIONS SHEET 5:1

Remember the correct order:

Parentheses	Exponents	Multiplication & Division	Addition & Subtraction

1) (4 + 3) x 2 = 14
   7 x 2

2) 4 + (3 x 2) =

3) (2 + 3) x 5 =

4) 2 + (3 x 5) =

5) (8 - 3) x 2 =

6) 8 - (3 x 2) =

7) (4 + 2) x 3 =

8) 4 + (2 x 3) =

9) 5 x 3 + 4 =

10) 5 + 3 x 4 =

11) 10 ÷ 2 + 3 =

12) 10 - 6 ÷ 2 =

13) (4 + 7) x 3 =

14) 4 + 7 x 3 =

15) 10 - 3 x 2 =

16) (10 - 3) x 2 =

17) 5 + 2 x 4 =

18) 7 x 2 - 5 =

19) 14 - 3 x 3 =

20) 8 + (3 x 5) =

21) 6 x 3 - 7 =

22) 12 ÷ 2 + 4 =

23) 9 - 7 + 6 =

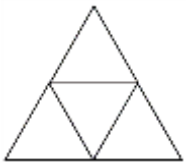
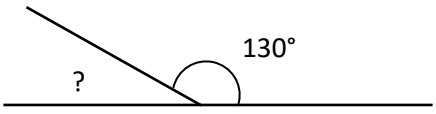
24) 9 - (7 + 6) =

ORDERING FRACTIONS SHEET 2

Use your equivalent fraction skills to put these fractions in order from smallest to largest.

1)	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{8}$
	smallest				largest
	$\frac{1}{8}$	____	____	____	$\frac{1}{2}$
2)	$\frac{1}{3}$	$\frac{5}{6}$	$\frac{1}{6}$	$\frac{1}{2}$	$\frac{2}{3}$
	smallest				largest
3)	$\frac{3}{4}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{5}{8}$
	smallest				largest
4)	$\frac{3}{5}$	$\frac{1}{10}$	$\frac{4}{5}$	$\frac{7}{10}$	$\frac{2}{5}$
	smallest				largest
5)	$\frac{7}{9}$	$\frac{1}{3}$	$\frac{4}{9}$	$\frac{1}{9}$	$\frac{2}{3}$
	smallest				largest

MENTAL MATH QUIZ 5:4

1)	7 + (8 x 6)	
2)	$\frac{3}{5} - \frac{3}{10}$	
3)	Write 0.6 as a fraction in simplest form	
4)	$\frac{1}{3}$ of 21 = ___ − 10	
5)	Round 4.639 to 1dp	
6)	What is the **range** of: 21, 35, 17, 27, 32, 12 and 30	
7)	Find $\frac{2}{9}$ of 36	
8)	Which of these numbers is **prime**? 33 45 57 69 53 49	
9)	What is the difference between 6000 and 60?	
10)	Which two measurements add up to 3 feet? 14 inches 2 feet 1 inch 1 foot 7 inches 11 inches	
11)	How many months in ¾ of a year?	
12)	Fill in the missing operations (+, -, x or ÷) to make this correct: 5 ☐ 6 ☐ 3 ☐ 2 = 8	
13)	A rectangular swimming pool measures 6 meters by 4 meters. What is the **area**?	
14)	What 3d shape does this net make? 	
15)	What is the missing angle? 	
16)	Two numbers have a sum of 15 and a product of 26. What are they?	
17)	I eat a third of a box of chocolates. There are now 16 left. How much were in the box at the start?	
18)	If $2x + 1 = 7$ what is the value of x?	

DECIMAL TABLES CHALLENGE

Decimal Tables Challenge is a decimal multiplication game to get kids to apply their multiplication fact knowledge using decimals. It is a quick and easy game to play, and only requires counters and a calculator.

Age range: 5th Grade +

Number of players: 2

Learning: Multiplying by decimals, strategy and logical thinking

You will need

- 15 counters for each player
- Calculator (optional)

Instructions

- Player 1 chooses a number from the top row and a number from the bottom row and multiplies them together. Player 1 tells their answer to Player 2.
- Player 2 checks the calculation on a calculator or in their heads.
- If Player 1 is correct, they cover up the number on the board with one of their counters.
- If Player 1 is wrong, it is Player 2's turn.
- If Player 1 cannot cover up any numbers, then play passes to Player 2.
- Player 2 then chooses a number from each of the two rows and multiplies them together. Player 1 checks their answer.
- The winner is the first player to get 4 counters in a line (horizontal, vertical or diagonal).

Example

- Player 1 chooses 0.8 from the top row and 5 from the bottom row, and then multiplies both numbers together to get 4. Player 2 checks and agrees. So Player 1 covers up the number 4 on the board.
- Player 2 chooses 0.3 from the top row and 0.2 from the bottom row and multiplies them together to get 0.6. Player 1 challenges this calculation and they check on a calculator - Player 2 is incorrect (the answer is 0.06) so play passes back to Player 1.

Variations

- Place a coin on each of the top two rows of numbers. Each turn a player has to move the coins either 1 or 2 places to the left or right. They then multiply the numbers the coins are on to make their number.
- Score 10 points for every line of 3 counters made on the board. The first player to get 60 points is the winner.

DECIMAL TABLES CHALLENGE

Choose one number from each row below to multiply together.

0.2	0.8	0.6	0.3	0.5	0.9	0.4

X X X

7	0.4	8	5	0.6	3	0.2

0.04	0.32	3	0.54	1	0.45	0.16
5.6	1.6	0.18	4.5	6.4	1.8	1.2
1.5	0.08	4.8	5.6	2.7	0.24	4
0.48	0.12	2.5	2	1.4	0.36	0.06
0.16	0.9	0.2	2.1	6.3	2.8	2.4
3.2	0.1	7.2	3.5	0.3	4.2	0.6

First player to get 4 in a line wins!