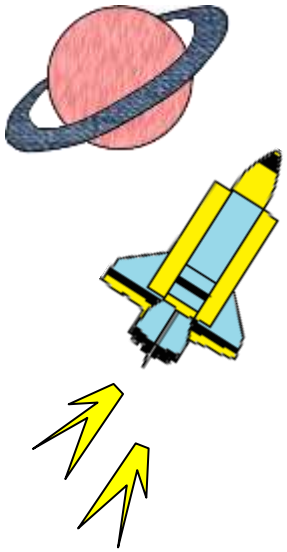
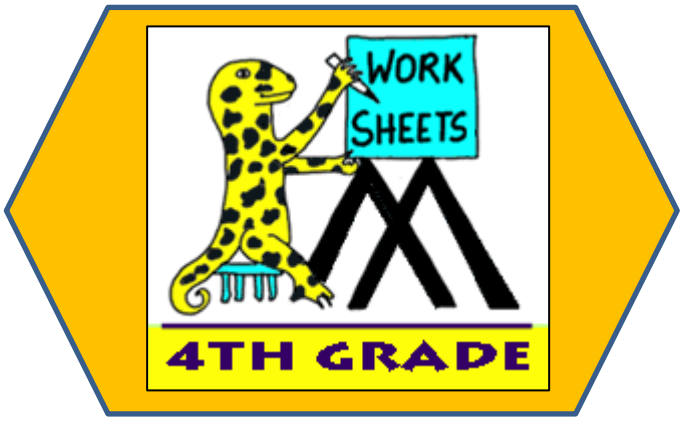
MATH SALAMANDERS
4TH GRADE GRAB PACK 5

This pack is a selection of 10 Math sheets and one game designed especially for 4th graders. We have taken all the sheets from our 4th 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 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

COMPARING 5 DIGIT NUMBERS 2

Use the symbols >, < and = to compare the numbers.

1)	79127	>	60328	11)	76245		76425	21)	20816		20816
2)	9746		21452	12)	52473		52473	22)	62547		62745
3)	80104		59826	13)	90611		67588	23)	4238		41702
4)	56041		56041	14)	13087		10783	24)	32518		33082
5)	11092		10846	15)	56728		62023	25)	77109		77109
6)	66701		66710	16)	47095		59074	26)	62508		62580
7)	58294		52894	17)	23108		28013	27)	51284		51248
8)	65182		43281	18)	29184		29184	28)	60327		60237
9)	7526		34611	19)	90356		62499	29)	47208		45872
10)	85046		86045	20)	65274		7892	30)	81906		81609

Compare these amounts.

31)	52614	>	50000 + 2000 + 597
32)	67193		67000 + 200
33)	30000 + 700 + 24		37000 + 15
34)	80972		80000 + 900 + 72
35)	64000 + 295		60000 + 3400
36)	73000 + 247		73200 + 35
37)	90000 + 6000 + 85		96000 + 180
38)	54000 + 240 + 6		50000 + 4200 + 46
39)	70000 + 5300 + 28		75000 + 330 + 6
40)	21000 + 37		2000 + 100 + 46

6-DIGIT NUMBER CHALLENGES 1

Use the digits 1, 2, 4, 5, 7 and 8 to make a 6-digit number each time.

1)	What is the largest 6-digit number you can make with the digits?	
2)	Subtract 900 from this number.	
3)	What is the smallest 6-digit number you can make?	
4)	Add 90,000 to this number.	
5)	What is the largest multiple of 5 you can make?	
6)	What is the smallest odd number you can make?	
7)	What is the closest number to 600,000 you can make?	
8)	Make a 6-digit number which is divisible by 3.	
9)	Make a 6-digit number which is divisible by 4.	
10)	Write down 5 different numbers between 240,000 and 250,000 that you can make.	
11)	Write these 5 numbers in order from smallest to largest.	
12)	**Look at the number 275,418**	
	Round it to the nearest 10.	
	Round it to the nearest 100.	
	Round it to the nearest 1000.	
	Round it to the nearest 10,000.	
	Round it to the nearest 100,000.	

ROUNDING CHALLENGES 6

Use the clues to find the correct answer from the eight possibilities.

CHALLENGE A

- I am a 3-digit number.
- My tens digit is even, but I am odd.
- If you round me to the nearest 10, I round up.
- I am 400 rounded to the nearest 100.

Who am I?

378	411	463	367
426	391	443	296

CHALLENGE B

- I am a 4-digit number.
- If you round me to the nearest 100, I round down.
- I am 8000 rounded to the nearest 1000.
- My tens digit is a multiple of 3.

Who am I?

7264	7538	7641	8092
8427	8164	7744	865

MULTIPLES AND FACTORS SHEET 4:1

1) Circle the numbers below which are multiples of 70:

230 140 280 330 490 610

2) Circle the numbers below which are factors of 30:

5 12 8 2 60 6

3) Fill in the table below

NUMBER	MULTIPLE OF 3	FACTOR OF 36
15	YES	NO
13		
6		
10		
4		
21		
12		

4) Which of the numbers below are prime numbers?

16 11 15 27 23 2

5) Can you find all 6 factors of 32?

____ ____ ____ ____ ____ ____

6) I am a multiple of 13. I have 2 digits and I am odd and also a multiple of 5. Who am I? _____

MULTIPLICATION – 3 DIGITS BY 1 DIGIT SHEET 3

Multiply a 3 digit number by a 1 digit number.

1) 127 x 6

2) 529 x 5

3) 121 x 8

4) 604 x 2

5) 438 x 4

6) 135 x 7

7) 216 x 9

8) 438 x 6

9) 107 x 8

10) 340 x 5

11) 831 x 6

12) 243 x 9

13) 638 x 7

14) 432 x 6

15) 703 x 8

16) 374 x 8

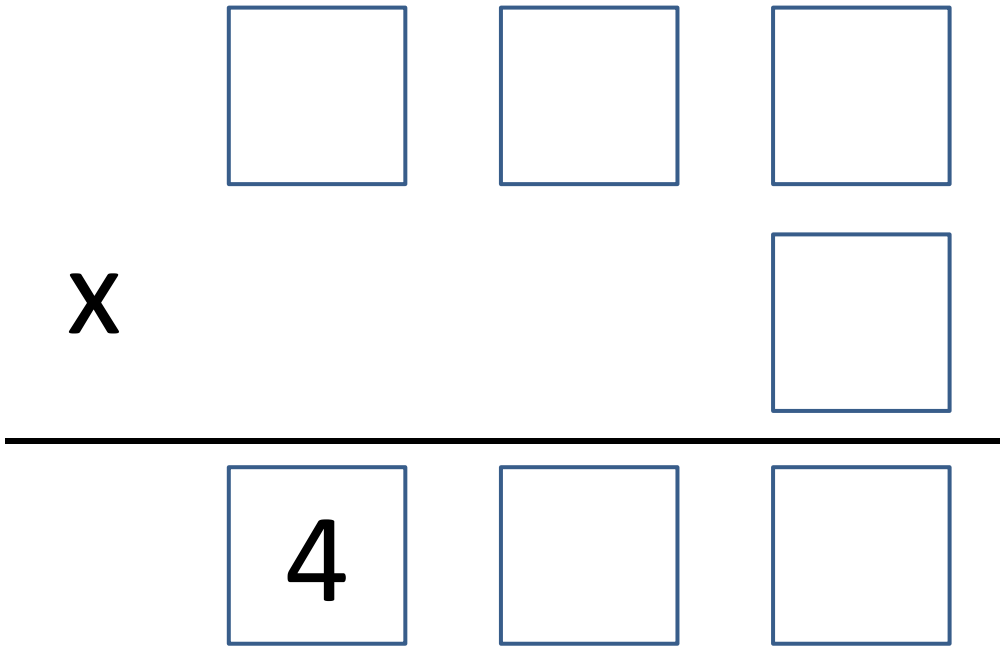
17) 609 x 7

18) 236 x 9

NEWTON'S MISSING PRODUCT 4A

Write the digits 1 to 6 in the squares below to make the product correct.

1	2	3	4	5	6



Tyger's Money Square
Challenge 4A

To complete this challenge, you need to use the following coins:

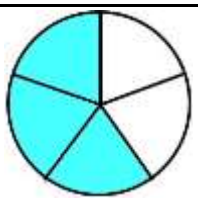
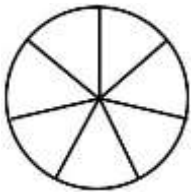
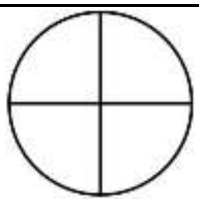
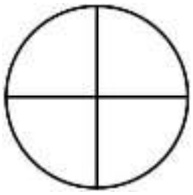
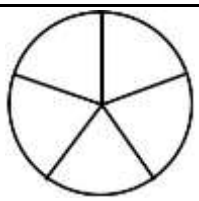
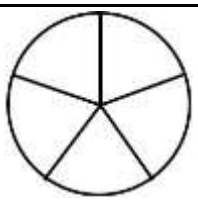
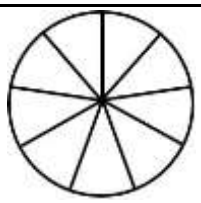
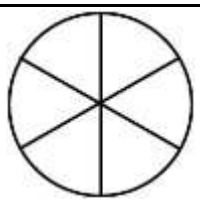
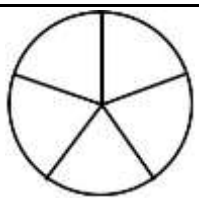
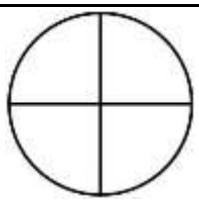
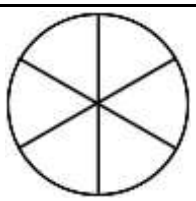
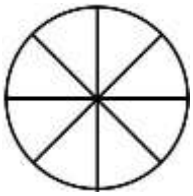
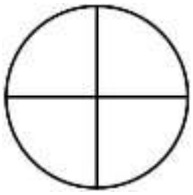
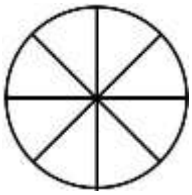
Coins to use				
Number	4	4	4	4

				41¢
				46¢
				56¢
				21¢
50¢	41¢	32¢	41¢	

In each square you need to place a coin so that the total at the end of each row or column is correct. Two coins have been placed for you.

COMPARING FRACTIONS WITH DIAGRAMS SHEET 2

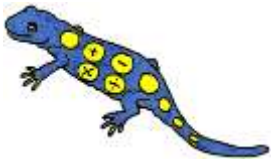
Shade the fraction diagrams and use the symbols >, < and = to show how the fractions compare. The first one is done for you.

1)		$\frac{3}{5}$ < $\frac{2}{3}$		6)	 $\frac{2}{7}$ ☐ $\frac{1}{4}$ 
2)		$\frac{2}{3}$ ☐ $\frac{3}{4}$		7)	 $\frac{3}{3}$ ☐ $\frac{4}{5}$ 
3)		$\frac{4}{5}$ ☐ $\frac{2}{3}$		8)	 $\frac{3}{9}$ ☐ $\frac{1}{3}$ 
4)		$\frac{1}{6}$ ☐ $\frac{1}{5}$		9)	 $\frac{3}{4}$ ☐ $\frac{5}{6}$ 
5)		$\frac{2}{8}$ ☐ $\frac{1}{4}$		10)	 $\frac{5}{8}$ ☐ $\frac{2}{3}$ 

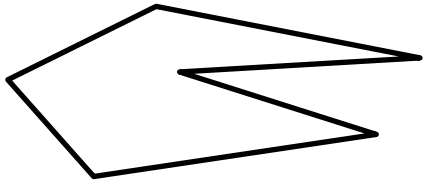
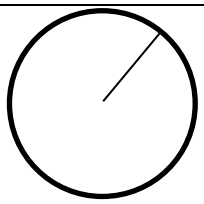
QUADRA'S OPERATION PUZZLE 4

In each box, choose a sign: +, -, x, ÷ or = to make the calculation correct. You can use the same operation more than once!

10	÷	2	+	3	=	8
5	◯	4	=	2	◯	10
10	◯	6	=	20	◯	5
8	=	6	◯	2	◯	4
9	◯	7	=	12	◯	6
9	◯	7	=	4	◯	4
3	◯	4	=	20	◯	8
11	◯	2	◯	5	+	1
24	◯	3	◯	2	◯	10
5	◯	28	◯	4	◯	2



MENTAL MATH QUIZ 4:5

1)	Halve 5.4	
2)	What is the **mean** of 6, 7 and 2?	
3)	0.8 x 4	
4)	What is the name of this shape? 	
5)	Three **consecutive** numbers add up to 21. What are they?	
6)	What is this part of the circle called? *diameter radius chord sector* 	
7)	What is the value of 3z + 4 if z=5?	
8)	1.75 x 10	
9)	40 ÷ 5 = 20 − ___	
10)	Which of these numbers is **divisible** by 3? 76 53 81 94 62	
11)	In a throwing competition, Tyger throws 615cm, Captain throws 4½ m. How much further did Tyger throw?	
12)	Write down a prime number between 20 and 30.	
13)	8km is about 5 miles. How many km in 35 miles?	
14)	Reduce $^{28}/_{32}$ to its lowest terms.	
15)	In a class, $^{3}/_{5}$ of the children are going to a special event. If there are 30 children in the class, how many are going?	
16)	I set off from home at 8:55am. I arrive at 10:40am. How many minutes was my journey?	

RACE TO THE MOON

MULTIPLICATION TO 12x12

Race to the Moon is a fun series of games which involve trying to make a path of unbroken counters from the Earth to the Moon. As well as developing quick recall of number facts, this game also involves strategy in blocking your partner whilst making your path.

Age Range 4th grade+

Number of players: 2 or 3

Learning: Multiply with numbers to 12x12, strategy

You will need

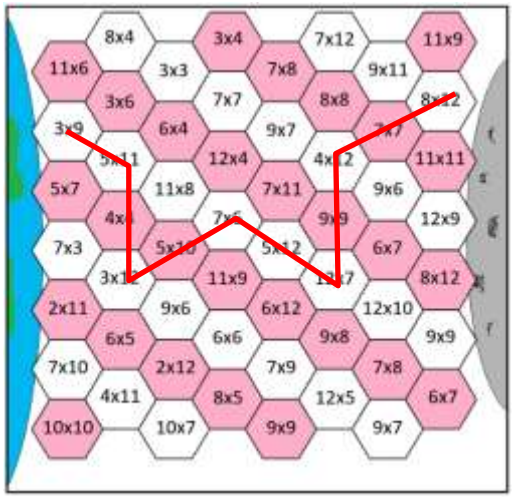
- Each player will need 15-20 counters of their own color.

Instructions

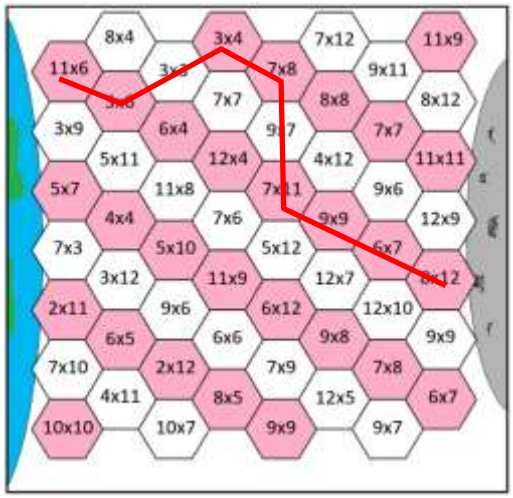
- Choose a multiplication you want to work out on one of the uncovered hexagons on the game board.
- Work out the answer in your head. Use a multiplication square (see appendix 3) to help you if you wish.
- Say the calculation and the answer.
- Your partner will check in their head (or using the multiplication strips).
- If you are right, you place a counter on the hexagon. Then it is your partner's turn. If you are wrong, you don't get to place a counter.
- The winner is the first person to complete an unbroken path of counters from the Earth to the Moon (path can go across, down, diagonally). See below.

Variations

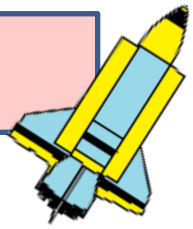
- If you get an answer wrong, your partner can remove one of your counters from the board.



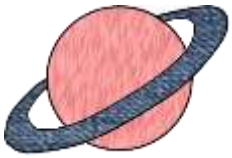
Examples of winning paths.



RACE TO THE MOON



MULTIPLICATION TO 12x12



Who will be first to get from Earth to the Moon?