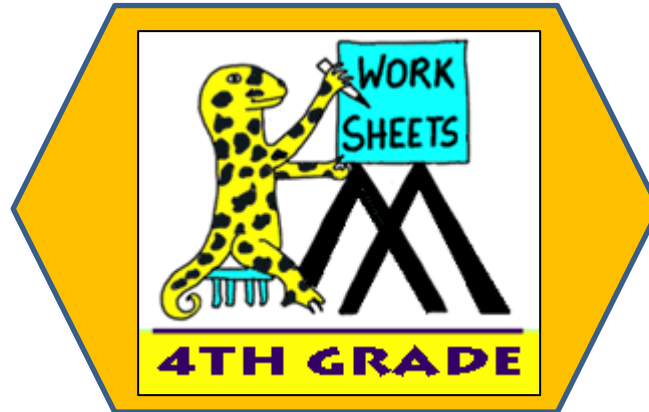


MATH SALAMANDERS 4TH GRADE MATH GRAB PACK 3 ANSWERS



Here are answers to all the worksheets in 4th Grade Math Grab Pack 3.

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6	Make Me 100 Challenge		

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>



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3-DIGIT ADDITION MONEY SHEET 2 ANSWERS

$$\begin{array}{r} 1) \quad \$4.67 \\ + \quad \$2.63 \\ \hline \$ \quad 7.30 \end{array}$$

$$\begin{array}{r} 2) \quad \$5.09 \\ + \quad \$3.35 \\ \hline \$ \quad 8.44 \end{array}$$

$$\begin{array}{r} 3) \quad \$9.26 \\ + \quad \$3.77 \\ \hline \$ \quad 13.03 \end{array}$$

$$\begin{array}{r} 4) \quad \$8.32 \\ + \quad \$5.16 \\ \hline \$ \quad 13.48 \end{array}$$

$$\begin{array}{r} 5) \quad \$4.64 \\ + \quad \$1.95 \\ \hline \$ \quad 6.59 \end{array}$$

$$\begin{array}{r} 6) \quad \$7.85 \\ + \quad \$3.80 \\ \hline \$ \quad 11.65 \end{array}$$

$$\begin{array}{r} 7) \quad \$8.73 \\ + \quad \$0.99 \\ \hline \$ \quad 9.72 \end{array}$$

$$\begin{array}{r} 8) \quad \$3.58 \\ + \quad \$4.36 \\ \hline \$ \quad 7.94 \end{array}$$

$$\begin{array}{r} 9) \quad \$8.97 \\ + \quad \$3.58 \\ \hline \$ \quad 12.55 \end{array}$$

$$\begin{array}{r} 10) \quad \$9.75 \\ + \quad \$5.34 \\ \hline \$ \quad 15.09 \end{array}$$

$$\begin{array}{r} 11) \quad \$3.48 \\ + \quad \$5.86 \\ \hline \$ \quad 9.34 \end{array}$$

$$\begin{array}{r} 12) \quad \$6.29 \\ + \quad \$7.81 \\ \hline \$ \quad 14.10 \end{array}$$

$$\begin{array}{r} 13) \quad \$6.93 \\ + \quad \$0.85 \\ \hline \$ \quad 7.78 \end{array}$$

$$\begin{array}{r} 14) \quad \$5.26 \\ + \quad \$6.64 \\ \hline \$ \quad 11.90 \end{array}$$

$$\begin{array}{r} 15) \quad \$9.95 \\ + \quad \$7.57 \\ \hline \$ \quad 17.52 \end{array}$$

$$\begin{array}{r} 16) \quad \$6.49 \\ + \quad \$8.87 \\ \hline \$ \quad 15.36 \end{array}$$

$$\begin{array}{r} 17) \quad \$1.36 \\ + \quad \$0.52 \\ + \quad \$2.41 \\ \hline \$ \quad 4.29 \end{array}$$

$$\begin{array}{r} 18) \quad \$5.38 \\ + \quad \$2.05 \\ + \quad \$0.77 \\ \hline \$ \quad 8.20 \end{array}$$

$$\begin{array}{r} 19) \quad \$3.84 \\ + \quad \$6.47 \\ + \quad \$1.41 \\ \hline \$ \quad 11.72 \end{array}$$

$$\begin{array}{r} 20) \quad \$2.95 \\ + \quad \$0.66 \\ + \quad \$6.18 \\ \hline \$ \quad 9.79 \end{array}$$

$$\begin{array}{r} 21) \quad \$1.36 \\ + \quad \$0.52 \\ + \quad \$2.41 \\ \hline \$ \quad 4.29 \end{array}$$

$$\begin{array}{r} 22) \quad \$5.38 \\ + \quad \$2.05 \\ + \quad \$0.77 \\ \hline \$ \quad 8.20 \end{array}$$

$$\begin{array}{r} 23) \quad \$3.84 \\ + \quad \$6.47 \\ + \quad \$1.41 \\ \hline \$ \quad 11.72 \end{array}$$

$$\begin{array}{r} 24) \quad \$2.95 \\ + \quad \$0.66 \\ + \quad \$6.18 \\ \hline \$ \quad 9.79 \end{array}$$



BIG NUMBER CHALLENGES 1 ANSWERS

CHALLENGE A

In each of the numbers below, write down the value of the digit 5.

Example: in the number 625728 the value of the digit 5 is 5,000.

1) 162,754 → 50

2) 593,192 500,000

3) 7,259,136 50,000

4) 9,275,806 5,000

5) 1,237,506 500

6) 5,381,274 5,000,000

CHALLENGE B

372,581	725,894	1,036,845	925,307	2,368,427
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Look at the clues below, and work out the correct answer from the list above.

- I am greater than half a million but less than 2 million.
- I am odd.
- If you round me to the nearest 100,000 you get 900,000.

CHALLENGE C

5,286,492	3,094,385	879,562
1,473,790	8,203,179	6,244,846

Look at the clues below, and work out the correct answer from the list above.

- I am not a multiple of 5.
- If you round me to the nearest million, I am greater than a million.
- At least one of my digits is odd.
- My largest digit is my tens digit.

NEWTON'S CROSSES PUZZLE 4 ANSWERS

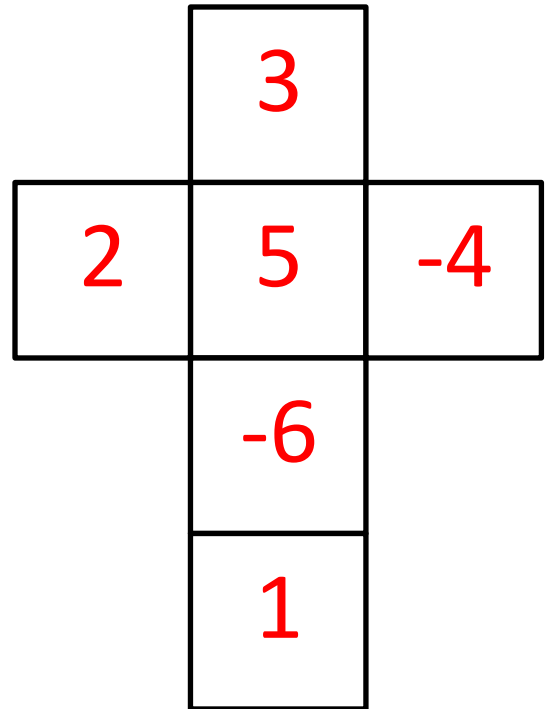
Please note that there are several solutions for each cross puzzle. As long as the number in the center of the cross is the same as the solution below, and the rows and columns contain the same numbers then the answer should work even if the numbers are in a different place.

One solution for each puzzle is given.

1)

-6 -4 1 2 3 5

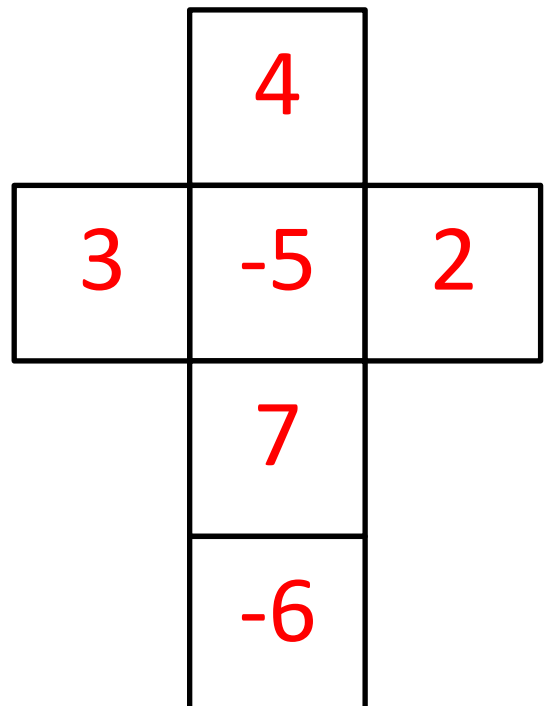
Total must be 3



2)

-6 -5 2 3 4 7

Total must be 0



5-DIGIT SUBTRACTION SHEET 3 ANSWERS

$$\begin{array}{r} 1) \quad 6 \ 7 \ 4 \ 1 \ 3 \\ - \ 1 \ 8 \ 2 \ 6 \ 5 \\ \hline 4 \ 9 \ 1 \ 4 \ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 7 \ 0 \ 5 \ 3 \ 1 \\ - \ 4 \ 5 \ 2 \ 8 \ 4 \\ \hline 2 \ 5 \ 2 \ 4 \ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 5 \ 7 \ 4 \ 6 \ 2 \\ - \ 1 \ 8 \ 7 \ 3 \ 3 \\ \hline 3 \ 8 \ 7 \ 2 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 7 \ 9 \ 1 \ 2 \ 4 \\ - \ 3 \ 6 \ 7 \ 8 \ 5 \\ \hline 4 \ 2 \ 3 \ 3 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 8 \ 1 \ 4 \ 2 \ 3 \\ - \ 6 \ 8 \ 2 \ 5 \ 9 \\ \hline 1 \ 3 \ 1 \ 6 \ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 9 \ 7 \ 0 \ 1 \ 1 \\ - \ 5 \ 2 \ 6 \ 4 \ 9 \\ \hline 4 \ 4 \ 3 \ 6 \ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 4 \ 6 \ 1 \ 0 \ 7 \\ - \ 2 \ 8 \ 5 \ 3 \ 2 \\ \hline 1 \ 7 \ 5 \ 7 \ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 7 \ 5 \ 1 \ 1 \ 6 \\ - \ 4 \ 4 \ 9 \ 7 \ 8 \\ \hline 3 \ 0 \ 1 \ 3 \ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 6 \ 0 \ 0 \ 5 \ 7 \\ - \ 4 \ 9 \ 5 \ 2 \ 8 \\ \hline 1 \ 0 \ 5 \ 2 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 8 \ 0 \ 0 \ 9 \ 5 \\ - \ 4 \ 7 \ 4 \ 6 \ 6 \\ \hline 3 \ 2 \ 6 \ 2 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 5 \ 0 \ 7 \ 0 \ 3 \\ - \ 3 \ 8 \ 2 \ 1 \ 6 \\ \hline 1 \ 2 \ 4 \ 8 \ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 7 \ 1 \ 4 \ 2 \ 6 \\ - \ 5 \ 7 \ 5 \ 8 \ 3 \\ \hline 1 \ 3 \ 8 \ 4 \ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 9 \ 0 \ 0 \ 0 \ 6 \\ - \ 4 \ 7 \ 9 \ 5 \ 7 \\ \hline 4 \ 2 \ 0 \ 4 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 5 \ 1 \ 2 \ 3 \ 6 \\ - \ 1 \ 9 \ 8 \ 6 \ 7 \\ \hline 3 \ 1 \ 3 \ 6 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 7 \ 4 \ 6 \ 7 \ 8 \\ - \ 5 \ 8 \ 6 \ 9 \ 9 \\ \hline 1 \ 5 \ 9 \ 7 \ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 8 \ 2 \ 3 \ 4 \ 1 \\ - \ 4 \ 5 \ 2 \ 7 \ 7 \\ \hline 3 \ 7 \ 0 \ 6 \ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 6 \ 4 \ 0 \ 0 \ 0 \\ - \ \ \ 9 \ 8 \ 5 \ 6 \\ \hline 5 \ 4 \ 1 \ 4 \ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 5 \ 4 \ 3 \ 7 \ 2 \\ - \ 4 \ 7 \ 8 \ 6 \ 6 \\ \hline 6 \ 5 \ 0 \ 6 \\ \hline \end{array}$$



EASTER CODEBREAKER 1C ANSWERS

ADDITION AND SUBTRACTION TO 1DP

Use the clues to work out the answer to the Easter joke.

A	B	C	D	E	F	H	K	N	O	P	R	S	T	U	!
2.0	1.4	0.6	0.8	1.1	1.6	0.5	1.3	0.7	0.2	1.8	1.5	0.1	0.4	1.2	1.7

Why couldn't the Easter Rabbit go to the barbers?

Letter	B	E	C	A	U	S	E		
Number	1.4	1.1	0.6	2.0	1.2	0.1	1.1		
Fact	$0.7+0.7$	$1.5-0.4$	$2-1.4$	$0.5+1.5$	$0.3+0.9$	$1.4-1.3$	$0.3+0.8$		

Letter	H	E		H	A	D		N	O
Number	0.5	1.1		0.5	2.0	0.8		0.7	0.2
Fact	$1.3-0.8$	$1.6-0.5$		$1.7-1.2$	$0.8+1.2$	$1.3-0.5$		$2-1.3$	$1.3-1.1$

Letter	H	A	R	E		T	O		
Number	0.5	2.0	1.5	1.1		0.4	0.2		
Fact	$1.4-0.9$	$1.4+0.6$	$0.6+0.9$	$0.8+0.3$		$1.5-1.1$	$1.7-1.5$		

Letter	S	P	E	A	K		O	F	!
Number	0.1	1.8	1.1	2.0	1.3		0.2	1.6	1.7
Fact	$2-1.9$	$0.9+0.9$	$0.6+0.5$	$1.1+0.9$	$1.7-0.4$		$0.8-0.6$	$1.2+0.4$	$0.8+0.9$



MAKE ME 100 ANSWERS

Here is Newton's Make Me 100 challenge.

- You have to use each of the numbers between 1 and 10.
- You have to use them in order, along with any of the four operations.
- You have to end up with 100.

Here are two solutions that works – there are probably many others!

$$1 + 2 + 3 + 4 - 5 + 6 + 7 - 8 + (9 \times 10) = 100$$

$$1 \times (2 + 3 + 4 + 5 + 6 + 7 - 8 - 9) \times 10 = 100$$

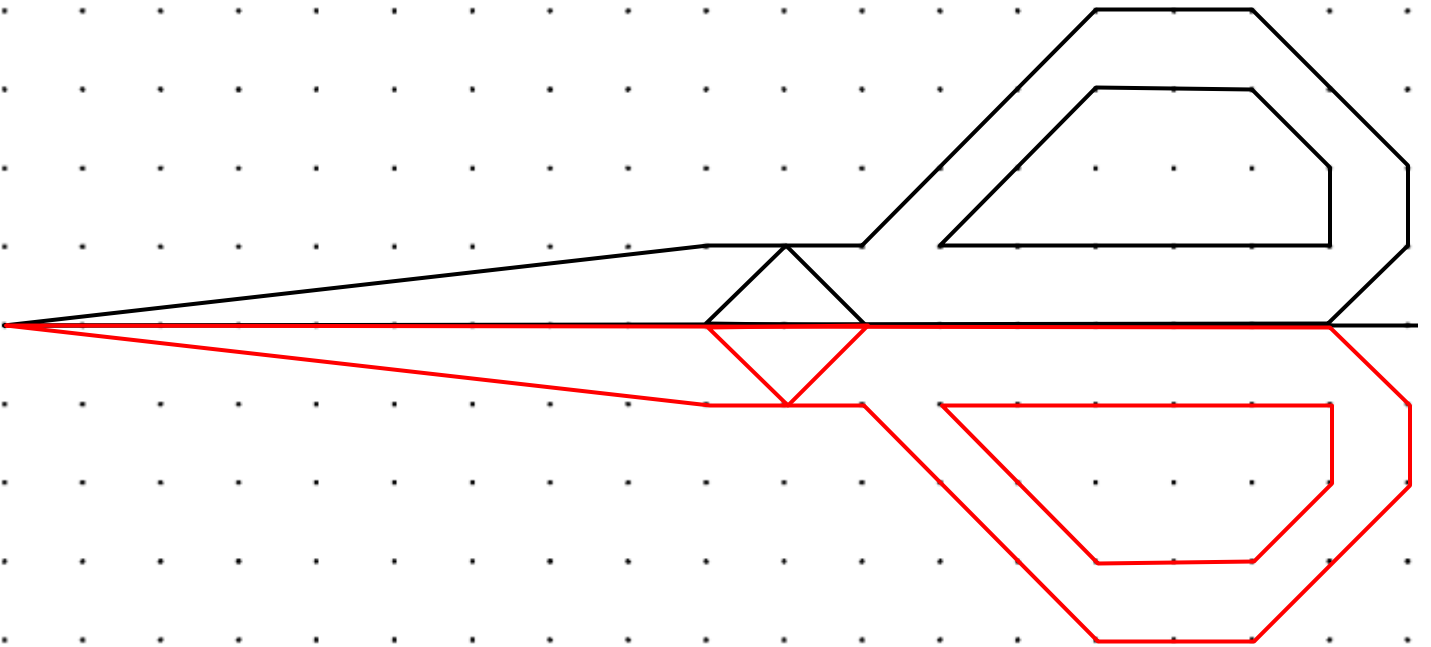
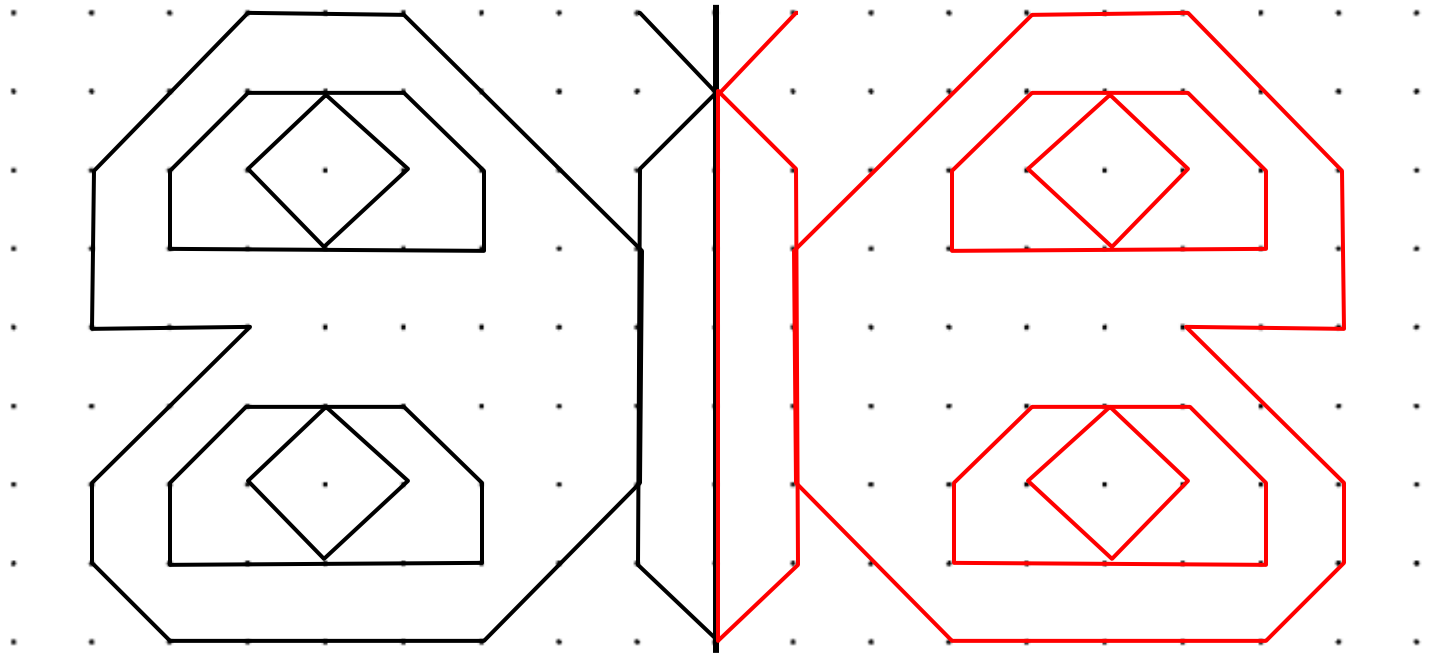


- Can you do it the other way round, from 10 to 1?

Here is one solution that works – there are probably many others!

$$10 \times 9 + 8 + 7 - 6 + 5 - 4 + 3 - 2 - 1 = 100$$

LINE SYMMETRY SHEET 6 ANSWERS



EQUIVALENT FRACTIONS SHEET 3 ANSWERS

1) $\frac{1}{3} = \frac{2}{6}$ 2) $\frac{1}{4} = \frac{3}{12}$ 3) $\frac{1}{3} = \frac{3}{9}$ 4) $\frac{1}{2} = \frac{6}{12}$

5) $\frac{1}{4} = \frac{2}{8}$ 6) $\frac{1}{2} = \frac{4}{8}$ 7) $\frac{1}{6} = \frac{2}{12}$ 8) $\frac{1}{5} = \frac{2}{10}$

9) $\frac{2}{2} = \frac{4}{4}$ 10) $\frac{3}{4} = \frac{6}{8}$ 11) $\frac{2}{3} = \frac{4}{6}$ 12) $\frac{2}{4} = \frac{6}{12}$

13) $\frac{2}{3} = \frac{6}{9}$ 14) $\frac{4}{6} = \frac{8}{12}$ 15) $\frac{3}{5} = \frac{6}{10}$ 16) $\frac{3}{4} = \frac{9}{12}$

17) $\frac{4}{5} = \frac{8}{10}$ 18) $\frac{3}{6} = \frac{6}{12}$ 19) $\frac{2}{5} = \frac{4}{10}$ 20) $\frac{4}{4} = \frac{12}{12}$

21) $\frac{1}{2} = \frac{4}{8}$ 22) $\frac{1}{4} = \frac{3}{12}$ 23) $\frac{1}{3} = \frac{3}{9}$ 24) $\frac{2}{4} = \frac{4}{8}$

25) $\frac{1}{2} = \frac{5}{10}$ 26) $\frac{3}{4} = \frac{6}{8}$ 27) $\frac{2}{3} = \frac{6}{9}$ 28) $\frac{3}{4} = \frac{9}{12}$



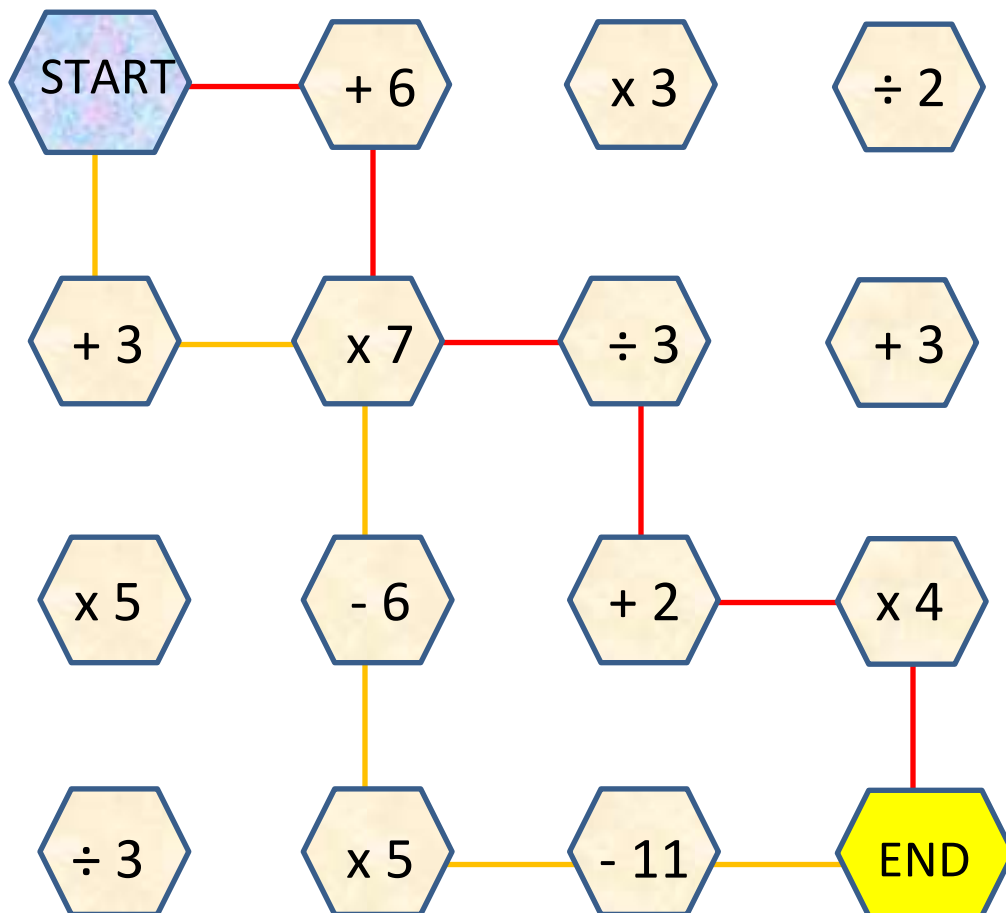
NUMBER MAZE: TARGET 64 ANSWERS

Start the maze with zero.

You have to finish the maze with a total of 64.

You must follow one of the arrows each time.

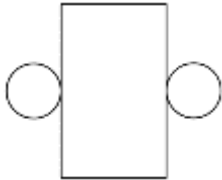

There are two possible routes. Can you find them?



Which route has the highest total? 169

Which route has the lowest total? -3

MENTAL MATH QUIZ 4:3 ANSWERS

1)	$2.5 - \underline{\quad} = 1.8$	0.7
2)	Simplify $\frac{10}{40}$	$\frac{1}{4}$
3)	$72 \div 6$	12
4)	What 3d shape does this net make? 	cylinder
5)	Find two numbers with a sum of 16 and a difference of 4.	10 and 6
6)	Which fraction is the smallest? $\frac{3}{5}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{4}{7}$ $\frac{3}{8}$	$\frac{3}{8}$
7)	What is the value of $3x - 2$ if x is 4?	10
8)	What do I need to add to 0.93 to make 1?	0.07
9)	Write down the factors of 18. <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	1 2 3 6 9 18
10)	What is the probability of rolling an even number on a 6-sided dice? 	$\frac{1}{2}$
11)	Captain buys a 100g bar of chocolate. He eats $\frac{3}{5}$ of his bar. How many grams of chocolate are left?	40g
12)	In a chest there are some gold coins. Captain takes half the coins. Sally takes a fourth of the coins. There are 3 coins left. How many coins were in the chest at the start?	12
13)	38 inches = <u> </u> feet <u> </u> inches	3 ft 2 in.
14)	The side of a regular pentagon is 7cm. What is the perimeter?	35cm
15)	$\frac{3}{10} + \frac{2}{5}$	$\frac{7}{10}$
16)	A calculator costs \$3.99. How much are 3 calculators?	\$11.97