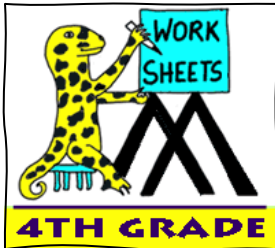


MATH SALAMANDERS

4TH GRADE MATH GRAB PACK

SPRING EDITION

ANSWERS



- This is the **answer pack** for our 4th Grade Math Grab Pack Spring Edition.
- We have **lots more free** fourth grade math resources – come visit our site for more!

<https://www.math-salamanders.com/4th-grade-math-worksheets.html>

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Use the link below to give us some feedback on our pack – we are always looking to improve the quality of our resources!

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



READING AND WRITING BIG NUMBERS

CHALLENGE 1 ANSWERS

Twenty-four thousand, thirty-six **24,036**

One hundred ninety-four thousand, five hundred eight **194,508**

Six million, one hundred three thousand, two hundred forty-nine **6,103,249**

Fifty thousand, eight hundred ninety-four **50,894**

~~Three hundred twenty-nine thousand, one hundred one~~ **329,101**

Nine hundred twenty thousand, forty-five **920,045**

Seven hundred five thousand, two hundred forty-eight **705,248**

3	2	9	1	0	1		
	4						
5	0	8	9	4		1	
	3		2			9	
	6	1	0	3	2	4	9
			0			5	
			4			0	
	7	0	5	2	4	8	

ORDERING	
biggest	6,103,249
	920,045
	705,248
	329,101
	194,508
	50,894
smallest	24,036

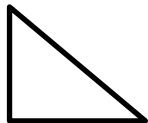
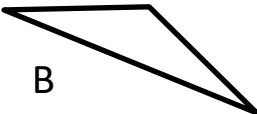
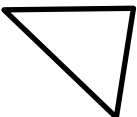
COMPARING 5 DIGIT NUMBERS 1 ANSWERS

1)	54567	>	48271	11)	7389	<	9056	21)	83814	>	69834
2)	27138	<	27948	12)	66271	>	59483	22)	90038	>	39807
3)	8273	=	8273	13)	81035	>	80946	23)	6257	<	20105
4)	10293	>	4382	14)	27365	>	25581	24)	14205	<	22712
5)	69182	>	12734	15)	8377	<	9039	25)	79612	<	80105
6)	70102	<	83834	16)	10392	>	8694	26)	55960	<	57024
7)	65351	=	65351	17)	37780	>	29106	27)	8826	<	81020
8)	78233	>	45369	18)	65026	=	65026	28)	40938	>	40124
9)	67727	>	6839	19)	23870	<	25143	29)	63562	>	63297
10)	91038	>	66376	20)	19602	>	9063	30)	30771	=	30771

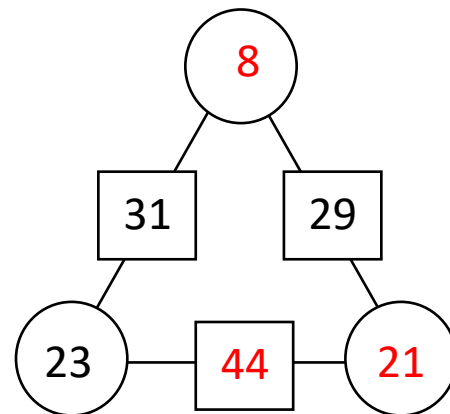
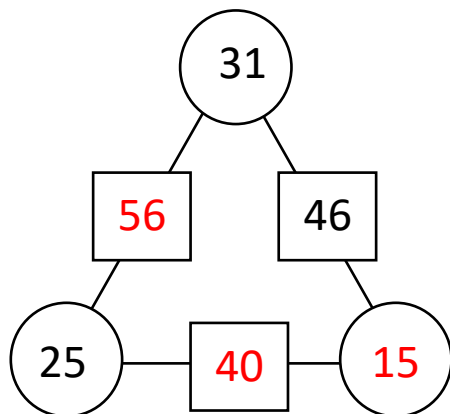
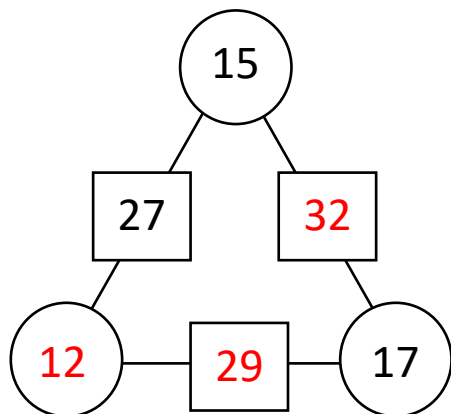
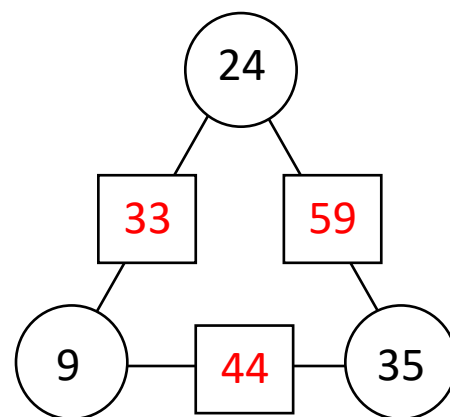
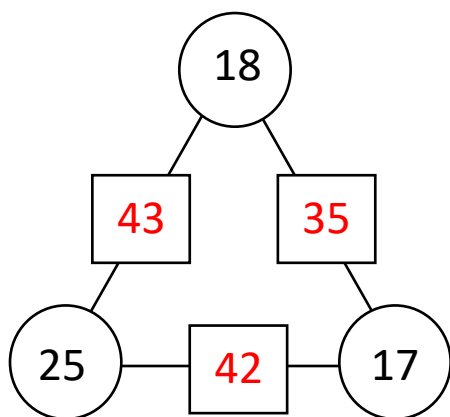
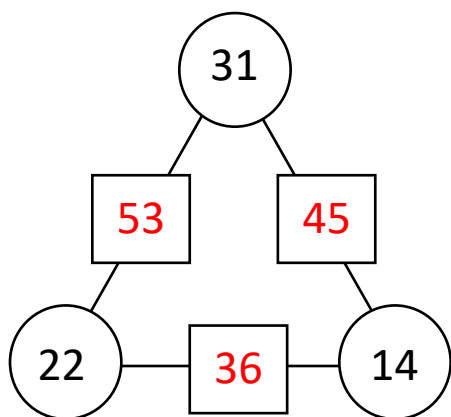
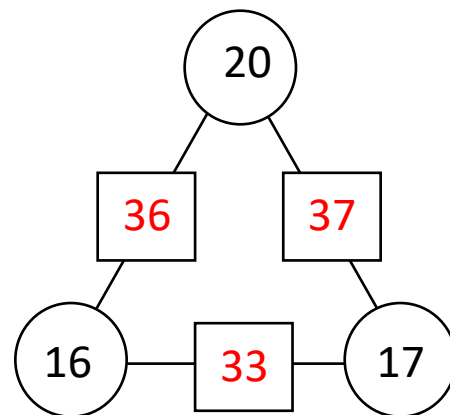
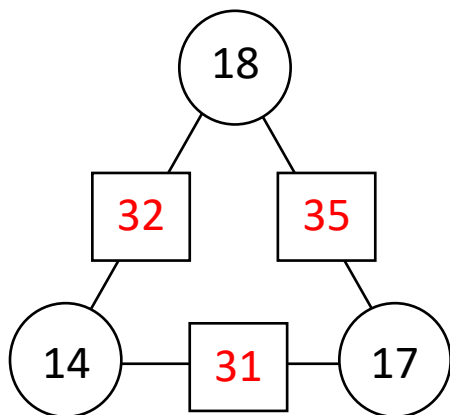
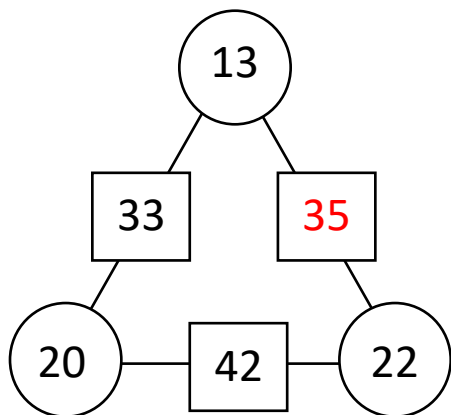
Compare these amounts.

31)	32865	>	20000 + 9000
32)	15027	<	10000 + 6000 + 45
33)	63527	<	60000 + 3000 + 600
34)	70360	=	70000 + 300 + 60
35)	81523	>	80000 + 200 + 80
36)	61052	>	60000 + 152
37)	21706	>	21000 + 620
38)	40000 + 285	<	42085
39)	24000 + 371	<	24396
40)	70000 + 6000 + 183	=	76000 + 100 + 83

MENTAL MATH QUIZ 4:4 ANSWERS

1)	60×8	480
2)	$1 - \underline{\quad} = 0.72$	0.28
3)	$\frac{2}{3}$ of 24	16
4)	$38 \text{ ft} = \text{12 yd } 2 \text{ ft}$	
5)	Work out $\frac{1}{10} + \frac{3}{100}$	$\frac{13}{100}$
6)	What is this part of the circle called? <i>diameter radius circumference sector</i>	diameter
7)	$4 \frac{1}{4} + 3 + 5 \frac{1}{2}$	$12 \frac{3}{4}$
8)	In a class, $\frac{4}{9}$ of the children like football. What fraction do not like football?	$\frac{5}{9}$
9)	I am a triangle with 1 obtuse and 2 acute angles. Who am I? A  B  C  D 	B
10)	What are the next two numbers: 1, 3, 6, 10, 15, 21, __, __	28, 36
11)	What is $\frac{7}{10}$ as a decimal?	0.7
12)	Entry to a zoo costs \$30 for an adult and \$25 for a child. How much would it cost for 2 adults and 3 children?	\$135
13)	Which of these numbers are prime? 25 17 11 9 15 16	11 and 17
14)	A paperclip is made out of 4 inches of wire. How many paperclips could I make with 5ft of wire?	15
15)	What is the value of the underlined digit: 6 <u>8</u> 2,591?	80,000
16)	A train journey takes 3h 40min. If I arrive at 1:30pm, what time did I set off?	9:50am

ARITHMOGON TRIANGLE PUZZLE 4A ANSWERS



MULTIPLYING BY MULTIPLES OF 10 SHEET 1 ANSWERS

1)	$4 \times 3 = $	<u>12</u>	so	$40 \times 3 = $	<u>120</u>	and	$4 \times 30 = $	<u>120</u>
2)	$2 \times 7 = $	<u>14</u>	so	$20 \times 7 = $	<u>140</u>	and	$2 \times 70 = $	<u>140</u>
3)	$3 \times 2 = $	<u>6</u>	so	$30 \times 2 = $	<u>60</u>	and	$3 \times 20 = $	<u>60</u>
4)	$5 \times 4 = $	<u>20</u>	so	$50 \times 4 = $	<u>200</u>	and	$5 \times 40 = $	<u>200</u>
5)	$2 \times 8 = $	<u>16</u>	so	$20 \times 8 = $	<u>160</u>	and	$2 \times 80 = $	<u>160</u>
6)	$6 \times 5 = $	<u>30</u>	so	$60 \times 5 = $	<u>300</u>	and	$6 \times 50 = $	<u>300</u>
7)	$3 \times 8 = $	<u>24</u>	so	$30 \times 8 = $	<u>240</u>	and	$3 \times 80 = $	<u>240</u>
8)	$9 \times 2 = $	<u>18</u>	so	$90 \times 2 = $	<u>180</u>	and	$9 \times 20 = $	<u>180</u>
9)	$4 \times 7 = $	<u>28</u>	so	$40 \times 7 = $	<u>280</u>	and	$4 \times 70 = $	<u>280</u>
10)	$5 \times 3 = $	<u>15</u>	so	$50 \times 3 = $	<u>150</u>	and	$5 \times 30 = $	<u>150</u>
11)	$3 \times 9 = $	<u>27</u>	so	$30 \times 9 = $	<u>270</u>	and	$3 \times 90 = $	<u>270</u>
12)	$6 \times 2 = $	<u>12</u>	so	$60 \times 2 = $	<u>120</u>	and	$6 \times 20 = $	<u>120</u>
13)	$3 \times 7 = $	<u>21</u>	so	$\underline{30} \times \underline{7} = $	<u>210</u>	and	$\underline{3} \times \underline{70} = $	<u>210</u>
14)	$4 \times 4 = $	<u>16</u>	so	$\underline{40} \times \underline{4} = $	<u>160</u>	and	$\underline{4} \times \underline{40} = $	<u>160</u>
15)	$7 \times 5 = $	<u>35</u>	so	$\underline{70} \times \underline{5} = $	<u>350</u>	and	$\underline{7} \times \underline{50} = $	<u>350</u>
16)	$6 \times 4 = $	<u>24</u>	so	$\underline{60} \times \underline{4} = $	<u>240</u>	and	$\underline{6} \times \underline{40} = $	<u>240</u>
17)	$5 \times 9 = $	<u>45</u>	so	$\underline{50} \times \underline{9} = $	<u>450</u>	and	$\underline{5} \times \underline{90} = $	<u>450</u>
18)	$5 \times 5 = $	<u>25</u>	so	$\underline{50} \times \underline{5} = $	<u>250</u>	and	$\underline{5} \times \underline{50} = $	<u>250</u>
19)	$9 \times 4 = $	<u>36</u>	so	$\underline{90} \times \underline{4} = $	<u>360</u>	and	$\underline{9} \times \underline{40} = $	<u>360</u>
20)	$4 \times 8 = $	<u>32</u>	so	$\underline{40} \times \underline{8} = $	<u>320</u>	and	$\underline{4} \times \underline{80} = $	<u>320</u>

ROUNDING BIG NUMBERS 1 ANSWERS

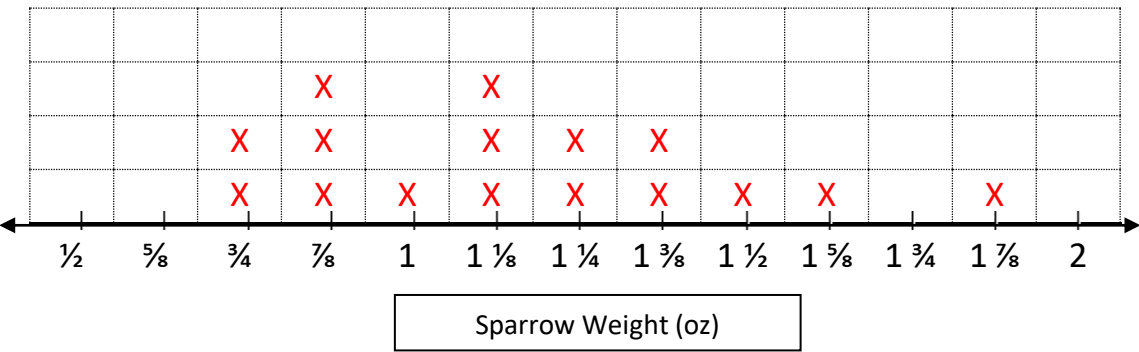
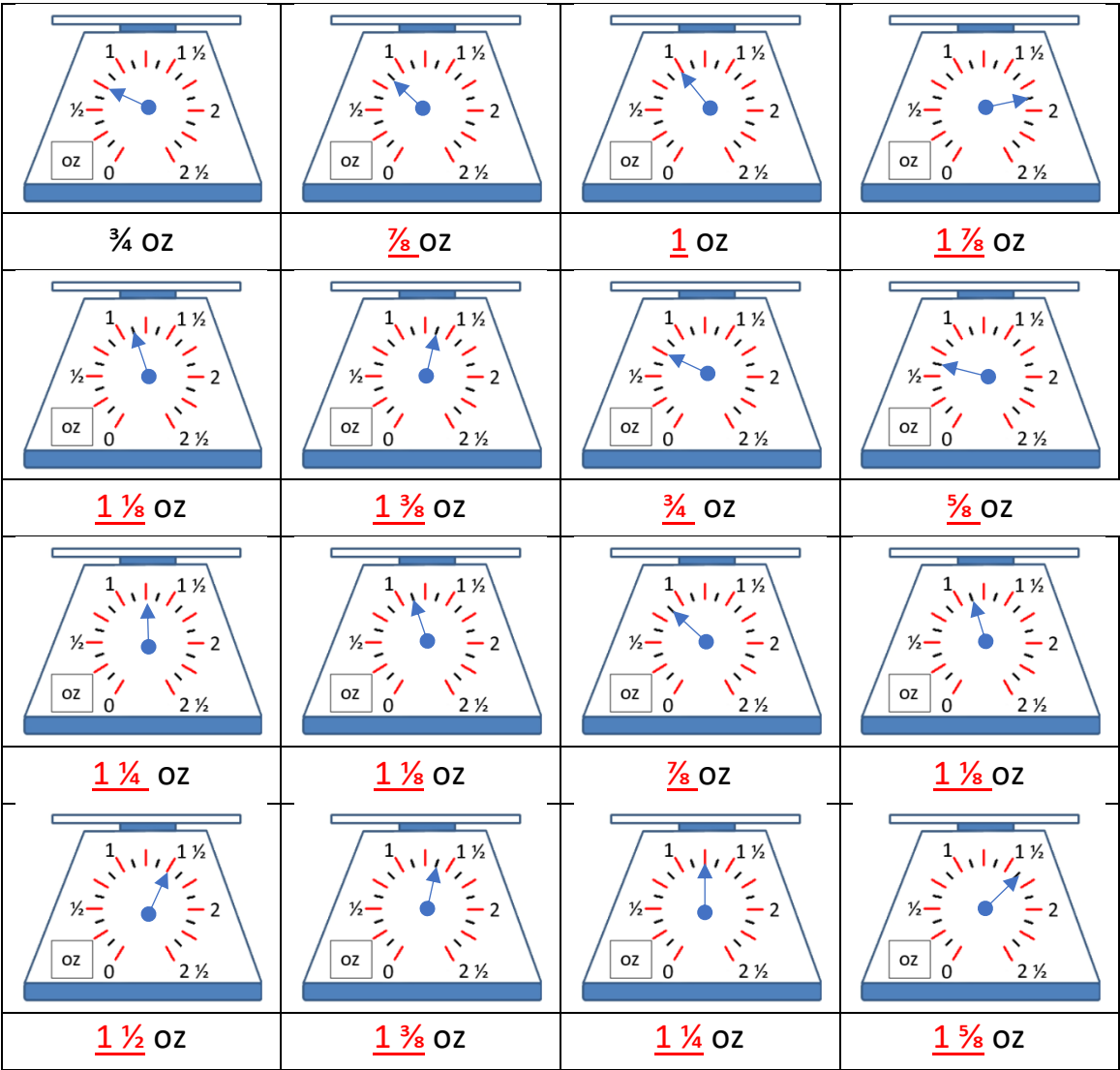
ROUNDS TO 10,000	ROUNDS TO 20,000	ROUNDS TO 30,000	ROUNDS TO 40,000	ROUNDS TO 50,000
13875	17054	28762	43275	46085
5489	24963	31976	35283	52151
	22562		40263	

- Round the numbers below to the nearest 10,000.
- Write the numbers in the correct place in the table above.
- Remember - the thousands digit will tell you whether to round up or down: 5 or more $\rightarrow$ round up, less than 5 $\rightarrow$ round down.

Age Group	Category 1 (Blue)	Category 2 (Green)	Category 3 (Red)
18-24	43,275	52,151	17,054
25-34	28,762	13,875	35,283
35-44	46,085	24,963	40,263
45-54	31,976	22,562	54,890
55-64	43,275	52,151	17,054
65+	28,762	13,875	35,283

CREATING LINE PLOTS SHEET 4:1 ANSWERS

- A group of 12 sparrows are weighed and results recorded.
- Use the measurements on the scales to complete the line plot.



3-DIGITS BY 1-DIGIT MULTIPLICATION SHEET 2 ANSWERS

$$\begin{array}{r} 1) \quad 136 \\ \times \quad 2 \\ \hline 272 \end{array}$$

$$\begin{array}{r} 2) \quad 205 \\ \times \quad 4 \\ \hline 820 \end{array}$$

$$\begin{array}{r} 3) \quad 173 \\ \times \quad 3 \\ \hline 519 \end{array}$$

$$\begin{array}{r} 4) \quad 613 \\ \times \quad 4 \\ \hline 2452 \end{array}$$

$$\begin{array}{r} 5) \quad 524 \\ \times \quad 2 \\ \hline 1048 \end{array}$$

$$\begin{array}{r} 6) \quad 813 \\ \times \quad 3 \\ \hline 2439 \end{array}$$

$$\begin{array}{r} 7) \quad 386 \\ \times \quad 5 \\ \hline 1930 \end{array}$$

$$\begin{array}{r} 8) \quad 483 \\ \times \quad 3 \\ \hline 1449 \end{array}$$

$$\begin{array}{r} 9) \quad 695 \\ \times \quad 2 \\ \hline 1390 \end{array}$$

$$\begin{array}{r} 10) \quad 481 \\ \times \quad 4 \\ \hline 1924 \end{array}$$

$$\begin{array}{r} 11) \quad 276 \\ \times \quad 5 \\ \hline 1380 \end{array}$$

$$\begin{array}{r} 12) \quad 797 \\ \times \quad 3 \\ \hline 2391 \end{array}$$

$$\begin{array}{r} 13) \quad 804 \\ \times \quad 5 \\ \hline 4020 \end{array}$$

$$\begin{array}{r} 14) \quad 489 \\ \times \quad 4 \\ \hline 1956 \end{array}$$

$$\begin{array}{r} 15) \quad 625 \\ \times \quad 3 \\ \hline 1875 \end{array}$$

$$\begin{array}{r} 16) \quad 323 \\ \times \quad 4 \\ \hline 1292 \end{array}$$

$$\begin{array}{r} 17) \quad 618 \\ \times \quad 3 \\ \hline 1854 \end{array}$$

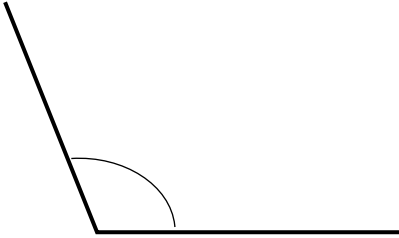
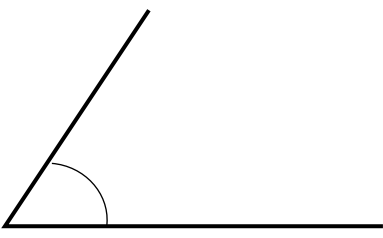
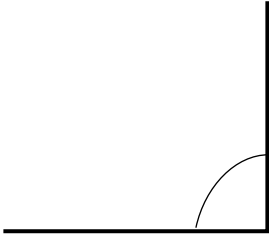
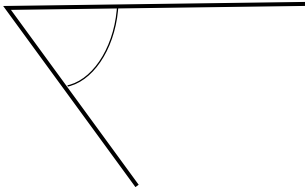
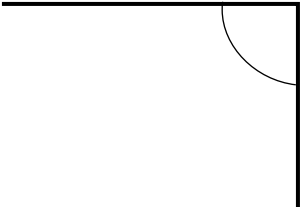
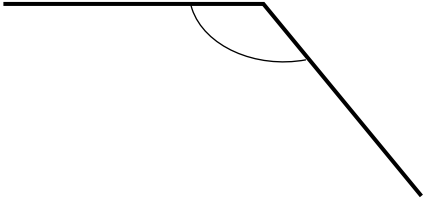
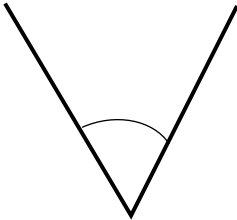
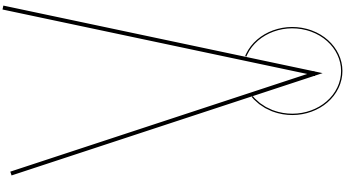
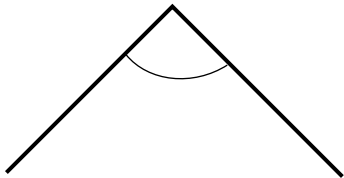
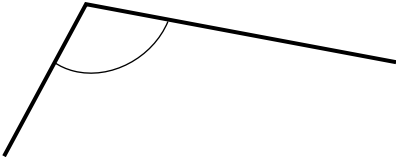
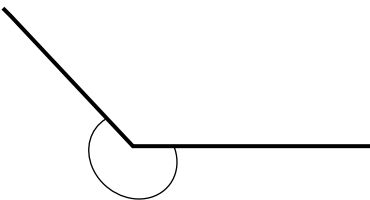
$$\begin{array}{r} 18) \quad 564 \\ \times \quad 5 \\ \hline 2820 \end{array}$$

$$\begin{array}{r} 19) \quad 967 \\ \times \quad 2 \\ \hline 1934 \end{array}$$

$$\begin{array}{r} 20) \quad 309 \\ \times \quad 4 \\ \hline 1236 \end{array}$$

ANGLE CLASSIFICATION 2 ANSWERS

For each angle, write down whether it is **right**, **acute**, **obtuse** or **reflex**.

		
Angle: obtuse	Angle: acute	Angle: right
		
Angle: acute	Angle: right	Angle: obtuse
		
Angle: acute	Angle: reflex	Angle: acute
		
Angle: obtuse	Angle: reflex	Angle: straight

COLUMN ADDITION MONEY UP TO \$10 SHEET 2 ANSWERS

$$\begin{array}{r} 1) \quad \$2.67 \\ + \quad \$1.63 \\ \hline \$4.30 \end{array}$$

$$\begin{array}{r} 2) \quad \$5.09 \\ + \quad \$1.35 \\ \hline \$6.44 \end{array}$$

$$\begin{array}{r} 3) \quad \$4.26 \\ + \quad \$3.77 \\ \hline \$8.03 \end{array}$$

$$\begin{array}{r} 4) \quad \$3.24 \\ + \quad \$3.95 \\ \hline \$7.19 \end{array}$$

$$\begin{array}{r} 5) \quad \$2.85 \\ + \quad \$3.30 \\ \hline \$6.15 \end{array}$$

$$\begin{array}{r} 6) \quad \$8.73 \\ + \quad \$0.58 \\ \hline \$9.31 \end{array}$$

$$\begin{array}{r} 7) \quad \$3.47 \\ + \quad \$2.55 \\ \hline \$6.02 \end{array}$$

$$\begin{array}{r} 8) \quad \$4.75 \\ + \quad \$2.34 \\ \hline \$7.09 \end{array}$$

$$\begin{array}{r} 9) \quad \$3.48 \\ + \quad \$5.86 \\ \hline \$9.34 \end{array}$$

$$\begin{array}{r} 10) \quad \$6.93 \\ + \quad \$0.85 \\ \hline \$7.78 \end{array}$$

$$\begin{array}{r} 11) \quad \$6.26 \\ + \quad \$1.64 \\ \hline \$7.90 \end{array}$$

$$\begin{array}{r} 12) \quad \$5.15 \\ + \quad \$2.57 \\ \hline \$7.72 \end{array}$$

$$\begin{array}{r} 13) \quad \$7.36 \\ + \quad \$2.41 \\ \hline \$9.77 \end{array}$$

$$\begin{array}{r} 14) \quad \$5.38 \\ + \quad \$7.77 \\ \hline \$13.15 \end{array}$$

$$\begin{array}{r} 15) \quad \$8.84 \\ + \quad \$2.41 \\ \hline \$11.25 \end{array}$$

$$\begin{array}{r} 16) \quad \$9.76 \\ + \quad \$3.41 \\ \hline \$13.17 \end{array}$$

$$\begin{array}{r} 17) \quad \$5.75 \\ + \quad \$6.77 \\ \hline \$12.52 \end{array}$$

$$\begin{array}{r} 18) \quad \$5.89 \\ + \quad \$7.45 \\ \hline \$13.34 \end{array}$$

MAGIC SQUARE WORKSHEET 4.1 ANSWERS

1)

The total is 7.5

1	3.5	3
4.5	2.5	0.5
2	1.5	4

2)

The total is 9.

$3\frac{1}{2}$	4	$1\frac{1}{2}$
1	3	5
$4\frac{1}{2}$	2	$2\frac{1}{2}$

3)

The total is 1.5

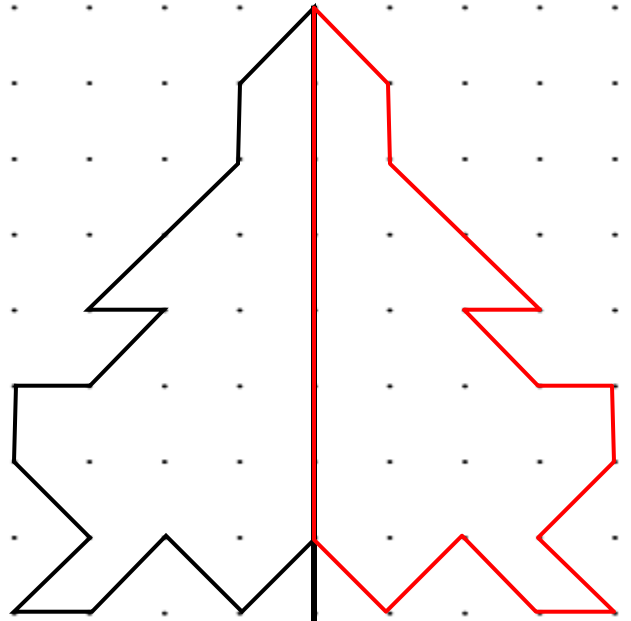
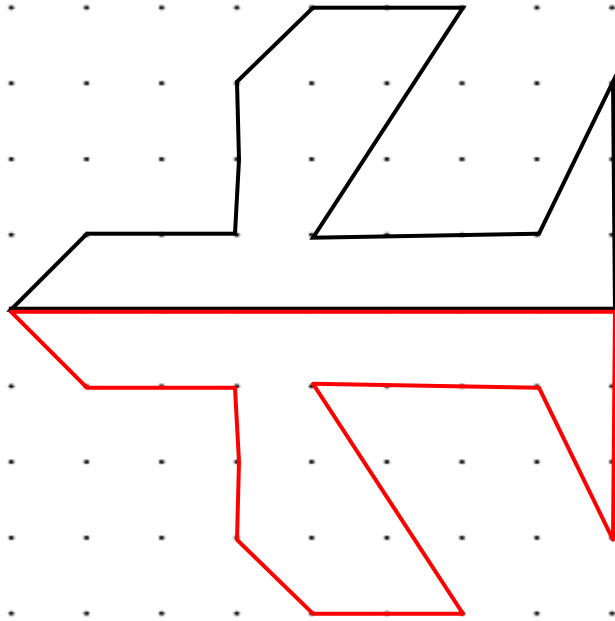
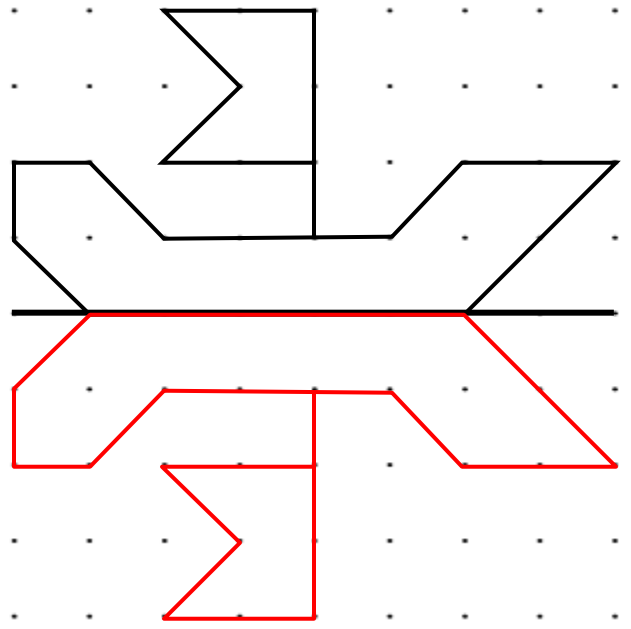
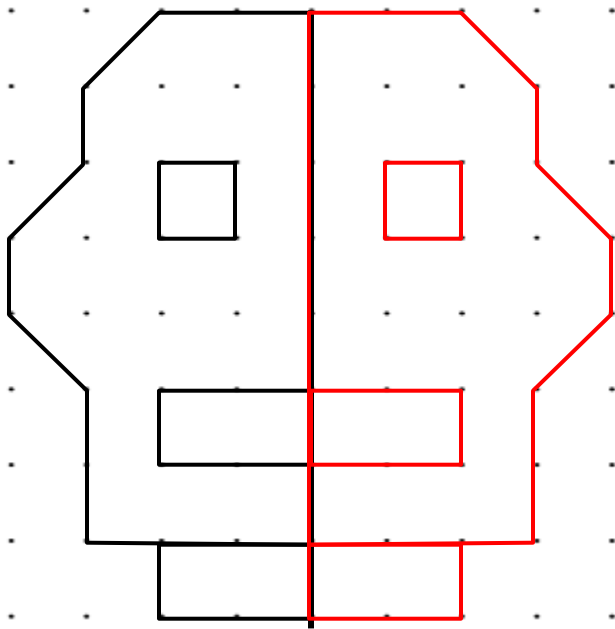
0.8	0.1	0.6
0.3	0.5	0.7
0.4	0.9	0.2

4)

The total is 300.

40	180	80
140	100	60
120	20	160

LINE SYMMETRY SHEET 4 ANSWERS



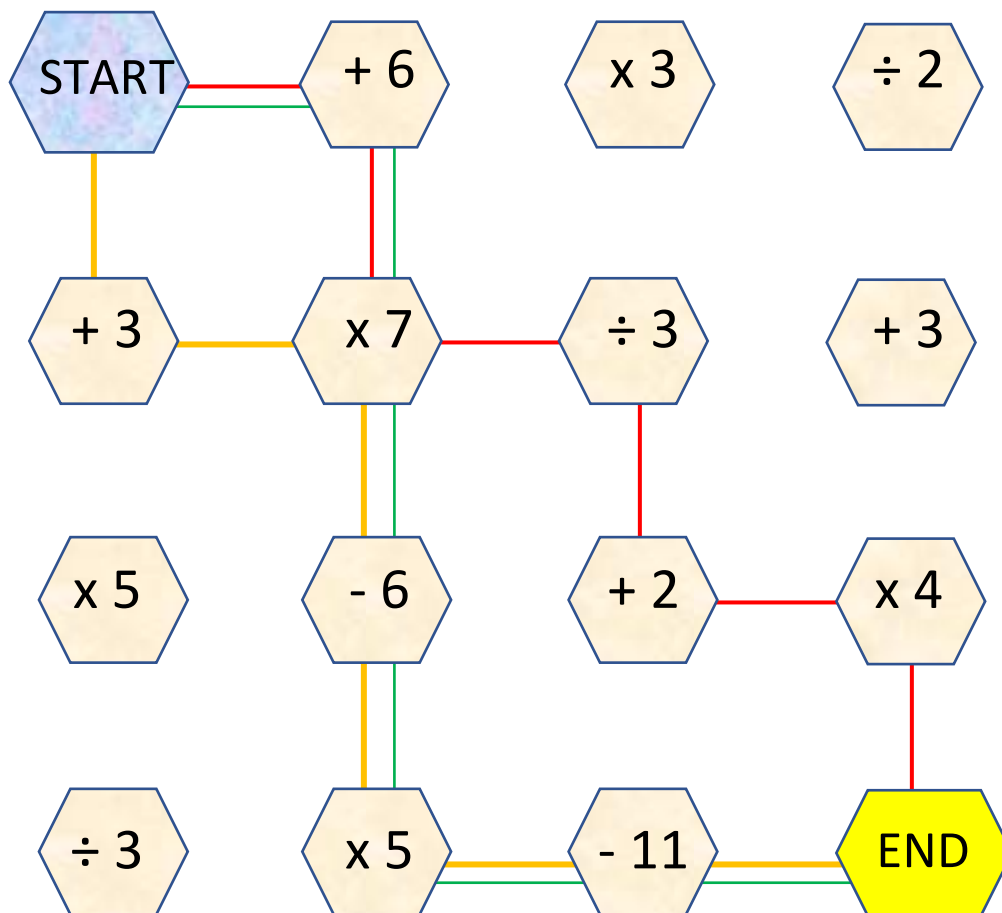
NUMBER MAZE: TARGET 64 ANSWERS

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?



The red and yellow routes show a total of 64.

Which route has the highest total? 169 (the green route)

5-DIGIT SUBTRACTION SHEET 1 ANSWERS

$$\begin{array}{r} 1) \quad 47835 \\ - 2451 \\ \hline 45384 \end{array}$$

$$\begin{array}{r} 2) \quad 73826 \\ - 1508 \\ \hline 72318 \end{array}$$

$$\begin{array}{r} 3) \quad 95276 \\ - 3461 \\ \hline 91815 \end{array}$$

$$\begin{array}{r} 4) \quad 71685 \\ - 4233 \\ \hline 67452 \end{array}$$

$$\begin{array}{r} 5) \quad 83691 \\ - 41045 \\ \hline 42646 \end{array}$$

$$\begin{array}{r} 6) \quad 69366 \\ - 16725 \\ \hline 52641 \end{array}$$

$$\begin{array}{r} 7) \quad 67489 \\ - 3652 \\ \hline 63837 \end{array}$$

$$\begin{array}{r} 8) \quad 50648 \\ - 37142 \\ \hline 13506 \end{array}$$

$$\begin{array}{r} 9) \quad 89156 \\ - 58429 \\ \hline 30727 \end{array}$$

$$\begin{array}{r} 10) \quad 57823 \\ - 36179 \\ \hline 21644 \end{array}$$

$$\begin{array}{r} 11) \quad 70529 \\ - 45283 \\ \hline 25246 \end{array}$$

$$\begin{array}{r} 12) \quad 96724 \\ - 68153 \\ \hline 28571 \end{array}$$

$$\begin{array}{r} 13) \quad 57599 \\ - 28375 \\ \hline 29224 \end{array}$$

$$\begin{array}{r} 14) \quad 58835 \\ - 27507 \\ \hline 31328 \end{array}$$

$$\begin{array}{r} 15) \quad 67189 \\ - 52698 \\ \hline 14491 \end{array}$$

$$\begin{array}{r} 16) \quad 43895 \\ - 16624 \\ \hline 27271 \end{array}$$

$$\begin{array}{r} 17) \quad 81653 \\ - 25317 \\ \hline 56336 \end{array}$$

$$\begin{array}{r} 18) \quad 79035 \\ - 46271 \\ \hline 32764 \end{array}$$

EQUIVALENT FRACTIONS SHEET 2 ANSWERS

FRACTION STRIPS

1)

$\frac{1}{2}$		$\frac{1}{2}$	
$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$

$$\frac{1}{2} = \frac{2}{4}$$

2)

$\frac{1}{2}$		$\frac{1}{2}$	
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$$\frac{1}{2} = \frac{3}{6}$$

3)

$\frac{1}{3}$		$\frac{1}{3}$		$\frac{1}{3}$	
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$$\frac{1}{3} = \frac{2}{6}$$

4)

$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$$\frac{1}{4} = \frac{2}{8}$$

5)

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$$\frac{1}{5} = \frac{2}{10}$$

6)

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$$\frac{1}{6} = \frac{2}{12}$$

Now use the fraction strips to answer these questions.

7) $\frac{2}{2} = \frac{4}{4}$

8) $\frac{3}{4} = \frac{6}{8}$

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

10) $\frac{2}{5} = \frac{4}{10}$

11) $\frac{3}{3} = \frac{6}{6}$

12) $\frac{4}{6} = \frac{8}{12}$

13) $\frac{4}{5} = \frac{8}{10}$

14) $\frac{5}{6} = \frac{10}{12}$