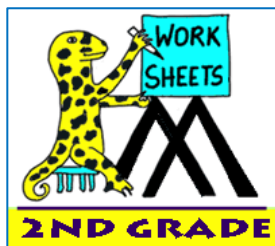


MATH SALAMANDERS

SECOND GRADE MATH GRAB PACK

FALL EDITION

ANSWERS



- This is the **answer pack** for our Second Grade Math Grab Pack Fall Edition.
- We have **lots more free** first grade math resources – come visit one of our sites for more!

- <https://www.math-salamanders.com/second-grade-math-worksheets.html>
- <https://www.2nd-grade-math-salamanders.com/>

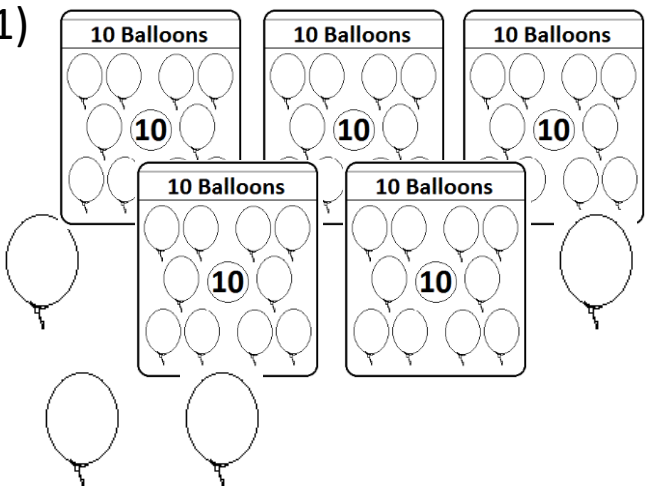
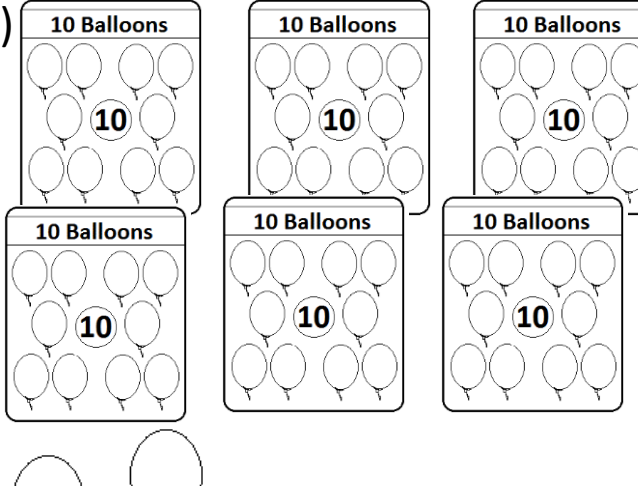
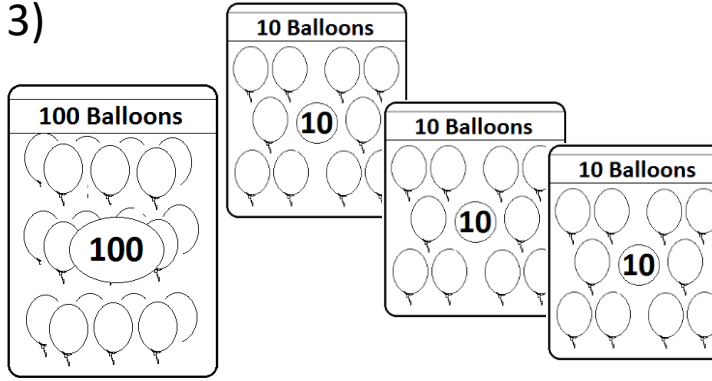
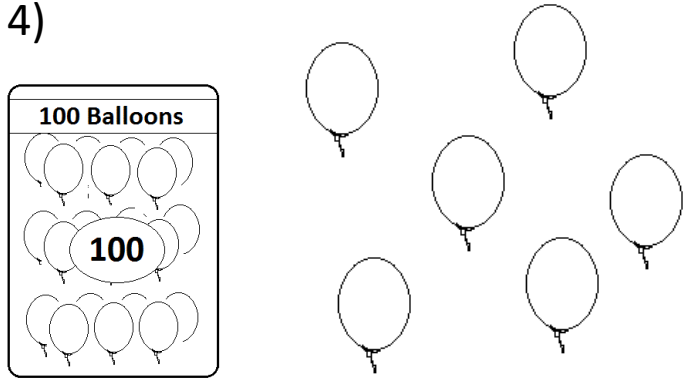
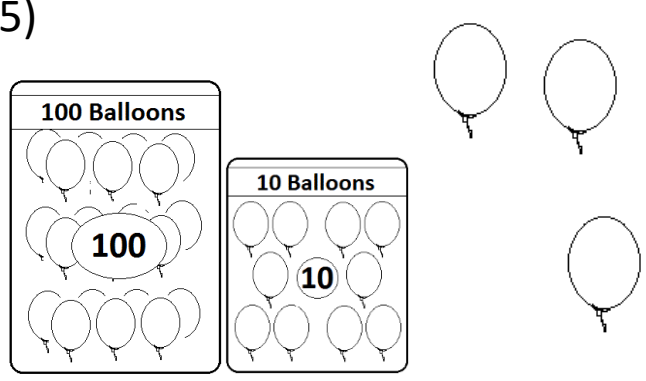
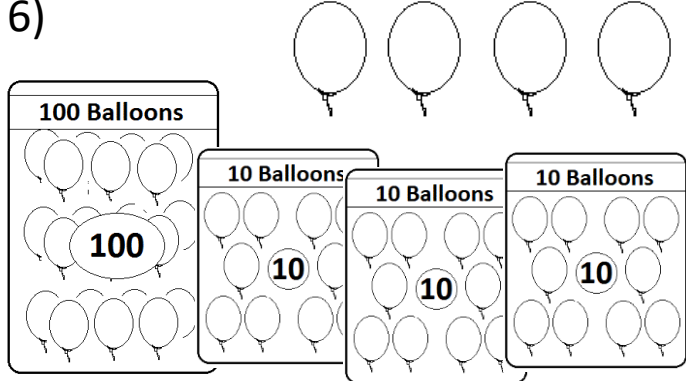
CONTENTS			
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2	Place Value Names 3-Digits Sheet 1	10	Identify 2D Shapes Sheet 1
3	Mental Math Sheet A2	11	Magic Square Worksheet 2:1
4	Newton's Crosses Puzzle 2	12	Count and Tally Sheet 1
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6	Addition and Subtraction within 20 Sheet 1	14	Reading Scales 2A
7	Missing Numbers up to 120 Sheet 1A	15	Multiplication up to 5x5 Sheet 1
8	Odd and Even Numbers using Models	16	Classify It Game #2

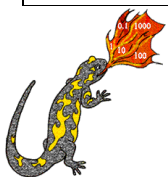
Use the link below to give us some feedback on our pack – we are always looking to improve the quality of our resources!

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



PLACE VALUE TO 200 BALLOONS SHEET 4 ANSWERS

1)  <u>54</u> balloons	2)  <u>62</u> balloons
3)  <u>130</u> balloons	4)  <u>106</u> balloons
5)  <u>113</u> balloons	6)  <u>134</u> balloons



Remember to count the hundreds first, then the tens and then the ones.

PLACE VALUE NAMES 3-DIGITS SHEET 1 ANSWERS

1) Write down which digit is in the **ones** place:

167 → 7	425 → <u>5</u>	319 → <u>9</u>	830 → <u>0</u>
56 → <u>6</u>	902 → <u>2</u>	621 → <u>1</u>	83 → <u>3</u>

2) Write down which digit is in the **tens** place:

273 → <u>7</u>	194 → <u>9</u>	832 → <u>3</u>	508 → <u>0</u>
42 → <u>4</u>	315 → <u>1</u>	209 → <u>0</u>	93 → <u>9</u>

3) Write down which digit is in the **hundreds** place:

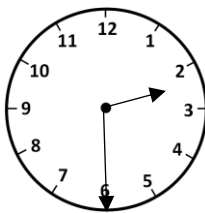
635 → <u>6</u>	302 → <u>3</u>	128 → <u>1</u>	39 → <u>0</u>
271 → <u>2</u>	840 → <u>8</u>	65 → <u>0</u>	481 → <u>4</u>

4) Have a go at the riddle below to find the correct answer in the table:

- I am a 3-digit number.
- My hundreds digit is not 5.
- My tens digit is even.
- My ones digit is less than 4.
- Who am I?

327	185	492	<u>602</u>
256	42	813	523

MENTAL MATH SHEET A2 ANSWERS

1)	13 subtract 4	9
2)	Double 7	14
3)	60 + 8	68
4)	Write down the number one hundred twenty six	126
5)	Which number is greatest? 27 62 45 53	62
6)	Which month comes before June?	May
7)	6 + ____ = 11	5
8)	Which of these numbers is even? 17 11 25 14 31	14
9)	10 x 3	30
10)	What is the next number in the sequence? 14, 16, 18, 20, 22, ____	24
11)	What number is 1 more than 156?	157
12)	I have 20¢. I spend 15¢. How much do I have left?	5¢
13)	A yard is 3 feet. How many feet in 3 yards?	9 feet
14)	What is the time? 	2:30 or half-past 2
15)	Sally has 8 sweets which she shares equally between 2 of her friends. How many do they each get?	4
16)	Today is Wednesday. What will the day be in 3 days' time? Monday Friday Saturday or Sunday	Saturday

NEWTON'S CROSSES PUZZLE 2 ANSWERS

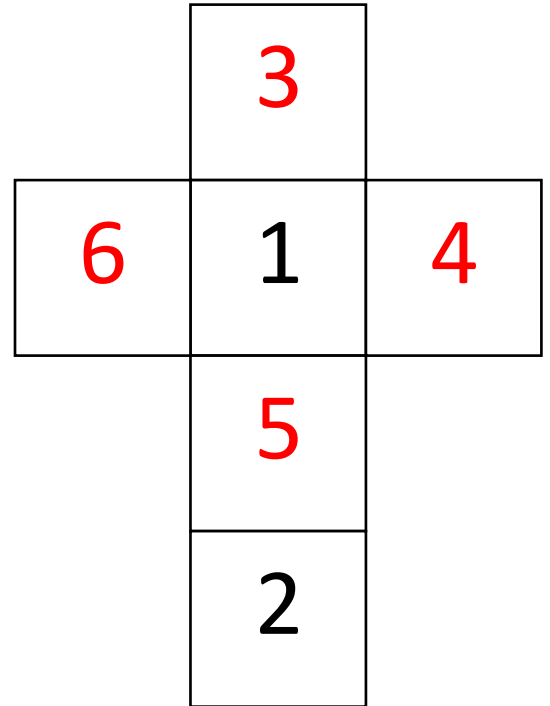
Please note that there are several solutions for each cross puzzle. As long as the number in the center of the cross is the same as the solution below, and the rows and columns contain the same numbers then the answer should work even if the numbers are in a different place.

One solution for each puzzle is given.

1)

3 4 5 6

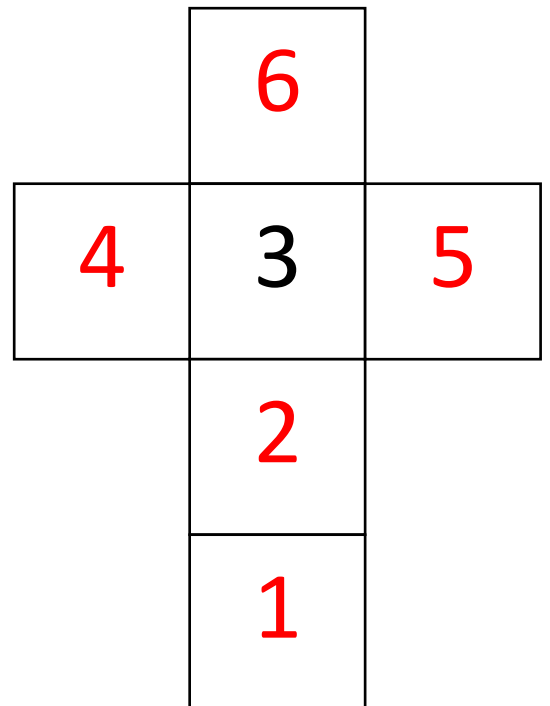
Total must be 11



2)

1 2 4 5 6

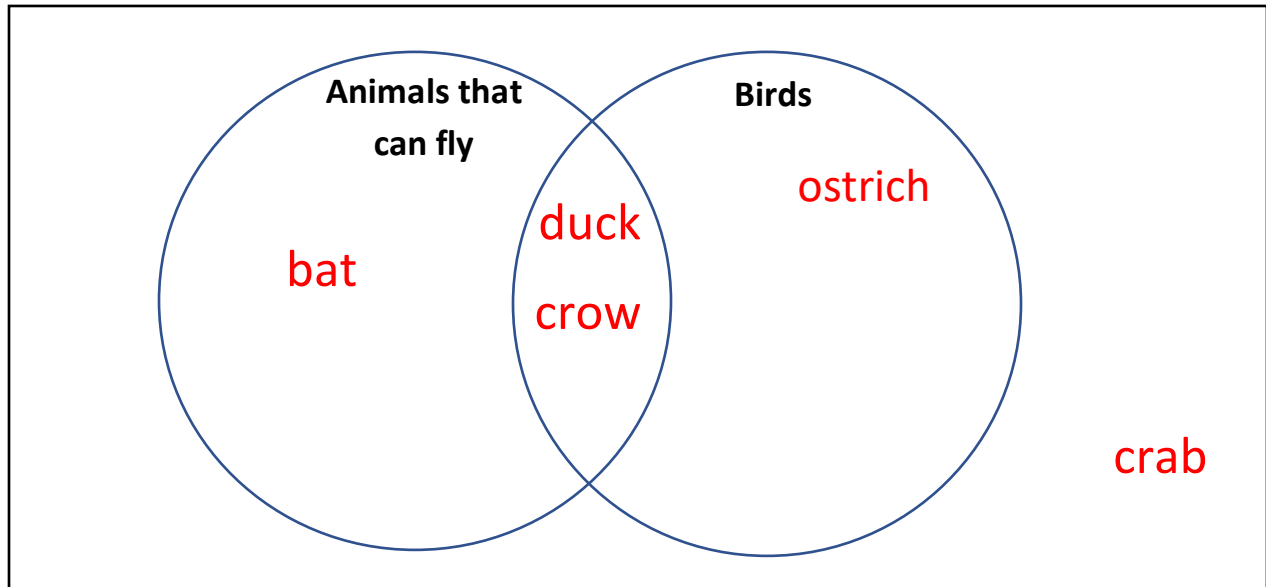
Total must be 12



VENN DIAGRAMS SHEET 1 ANSWERS

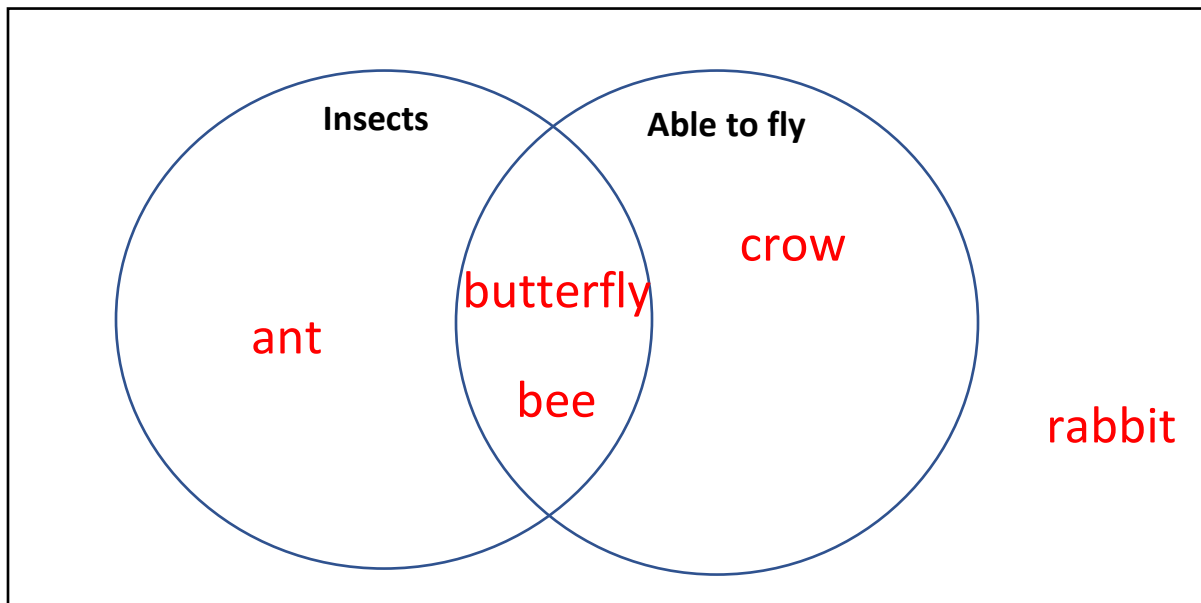
1) Put the following animals into the correct place in this Venn diagram.

a) duck b) crab c) ostrich d) bat e) crow



2) Put the following animals into the correct place in this Venn diagram.

a) rabbit b) butterfly c) ant d) crow e) bee



ADD AND SUBTRACT WITHIN 20 SHEET 1 ANSWERS

$$1) \quad 7 + 5 = \underline{12}$$

$$2) \quad 4 + 10 = \underline{14}$$

$$3) \quad 2 + 7 = \underline{9}$$

$$4) \quad 3 + 8 = \underline{11}$$

$$5) \quad 15 + 2 = \underline{17}$$

$$6) \quad 10 + 9 = \underline{19}$$

$$7) \quad 4 + 6 = \underline{10}$$

$$8) \quad 7 + 9 = \underline{16}$$

$$9) \quad 6 + 6 = \underline{12}$$

$$10) \quad 12 + 3 = \underline{15}$$

$$11) \quad 5 + 8 = \underline{13}$$

$$12) \quad 11 + 4 = \underline{15}$$

$$13) \quad 9 - 7 = \underline{2}$$

$$14) \quad 11 - 3 = \underline{8}$$

$$15) \quad 19 - 1 = \underline{18}$$

$$16) \quad 14 - 4 = \underline{10}$$

$$17) \quad 12 - 6 = \underline{6}$$

$$18) \quad 17 - 2 = \underline{15}$$

$$19) \quad 10 - 7 = \underline{3}$$

$$20) \quad 13 - 4 = \underline{9}$$

$$21) \quad 20 - 1 = \underline{19}$$

$$22) \quad 18 - 4 = \underline{14}$$

$$23) \quad 11 - 8 = \underline{3}$$

$$24) \quad 15 - 7 = \underline{8}$$

CHALLENGE

11	4	13	7	8
----	---	----	---	---

Choose **any** 3 of the numbers above to complete each of the equations.

There are two different solutions for each equation:	$7 + 4 = 11$	$11 - 4 = 7$
	$4 + 7 = 11$	$11 - 7 = 4$

MISSING NUMBERS UP TO 120 SHEET 1A ANSWERS

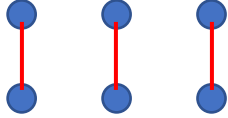
Fill in the missing numbers

I	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

ODD AND EVEN NUMBERS USING MODELS 1 ANSWERS

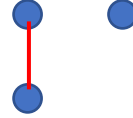
- For each question, join up the circles in pairs to see if there is one left out.
- Highlight the correct word to say whether the number is odd or even.

1)



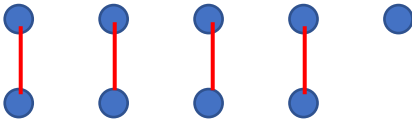
6 is an **even** / odd number.

2)



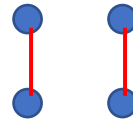
3 is an even / **odd** number

3)



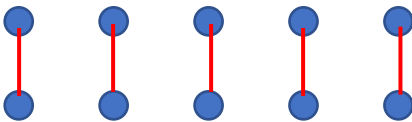
9 is an even / **odd** number.

4)



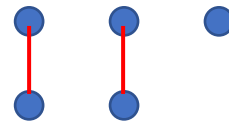
4 is an **even** / odd number.

5)



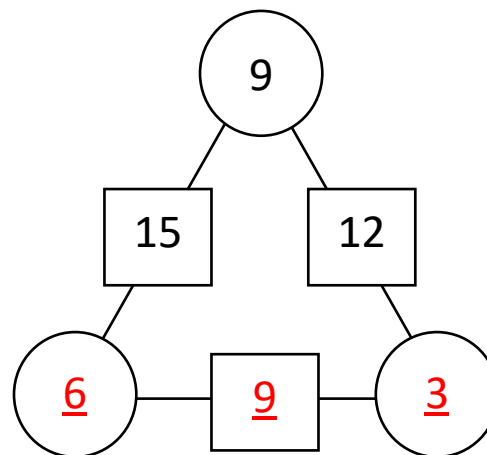
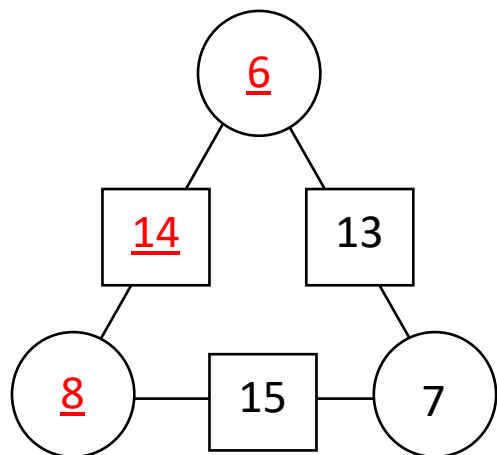
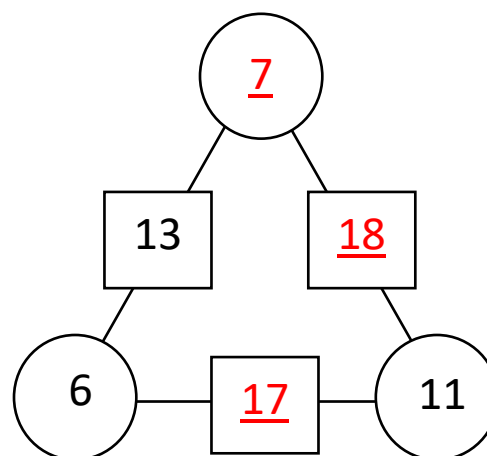
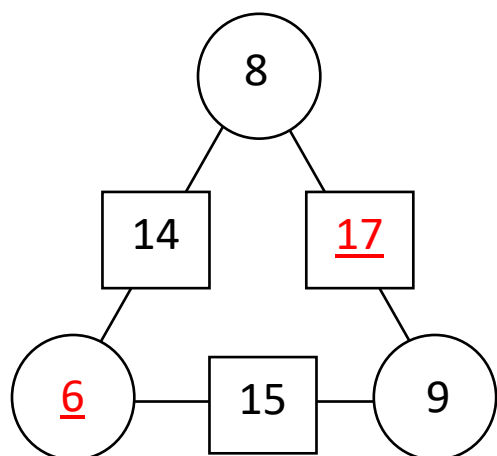
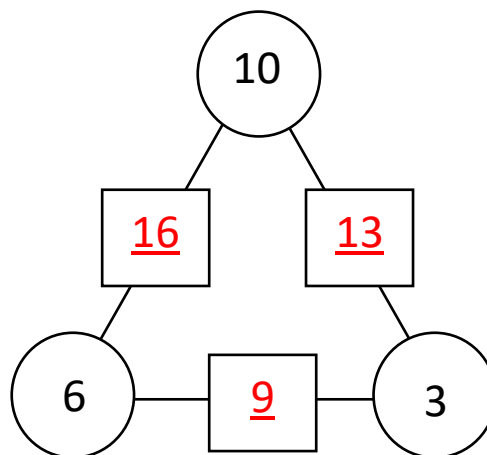
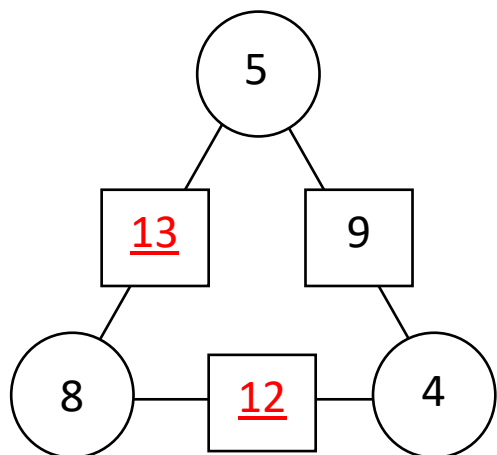
10 is an **even** / odd number.

6)



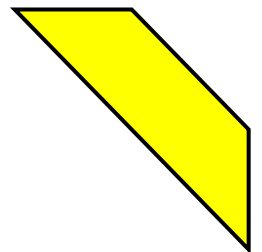
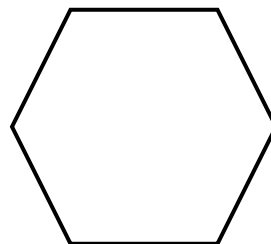
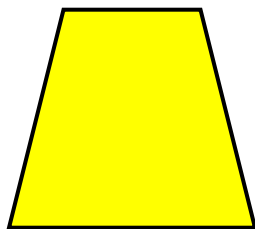
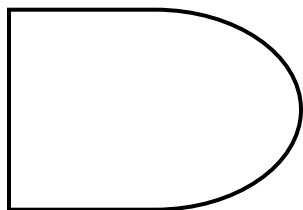
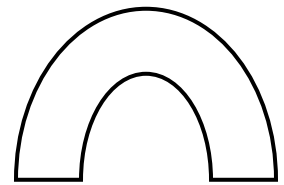
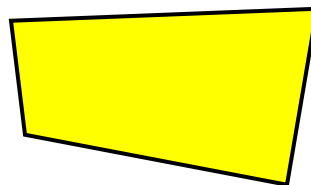
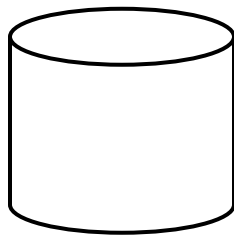
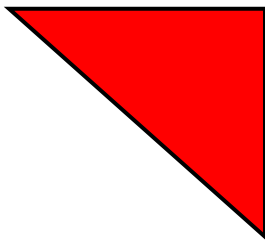
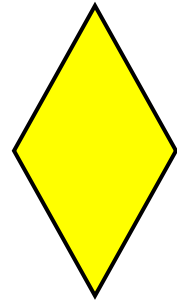
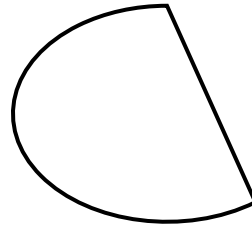
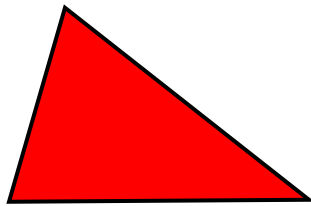
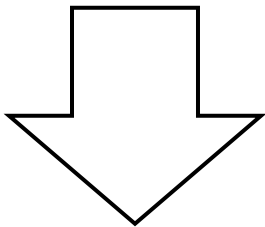
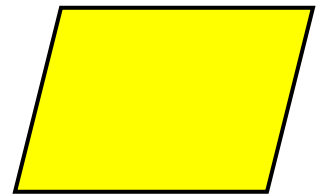
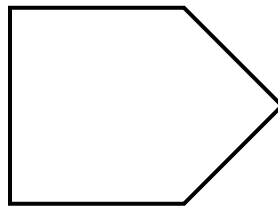
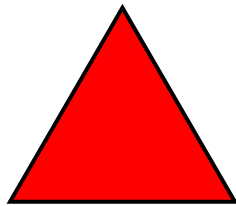
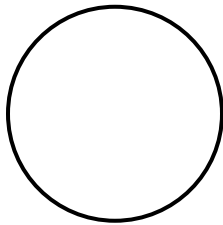
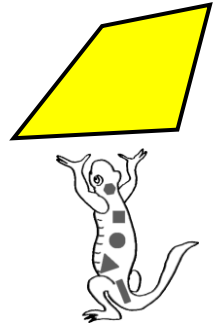
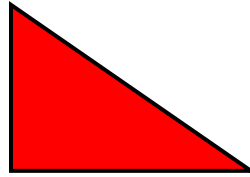
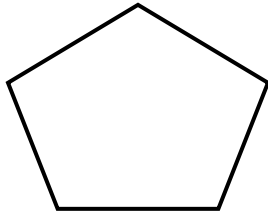
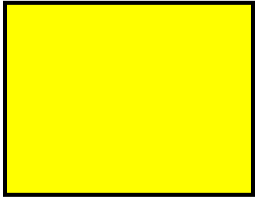
5 is an even / **odd** number.

ARITHMOGON TRIANGLE PUZZLE 2A ANSWERS



IDENTIFY 2D SHAPES SHEET 1 ANSWERS

Shade the triangles red and the quadrilaterals (4 sided shapes) yellow.



MAGIC SQUARE WORKSHEET 2.1 ANSWERS

1) The total is 15.

6	1	8
7	5	3
2	9	4

2) The total is 18.

3	8	7
10	6	2
5	4	9

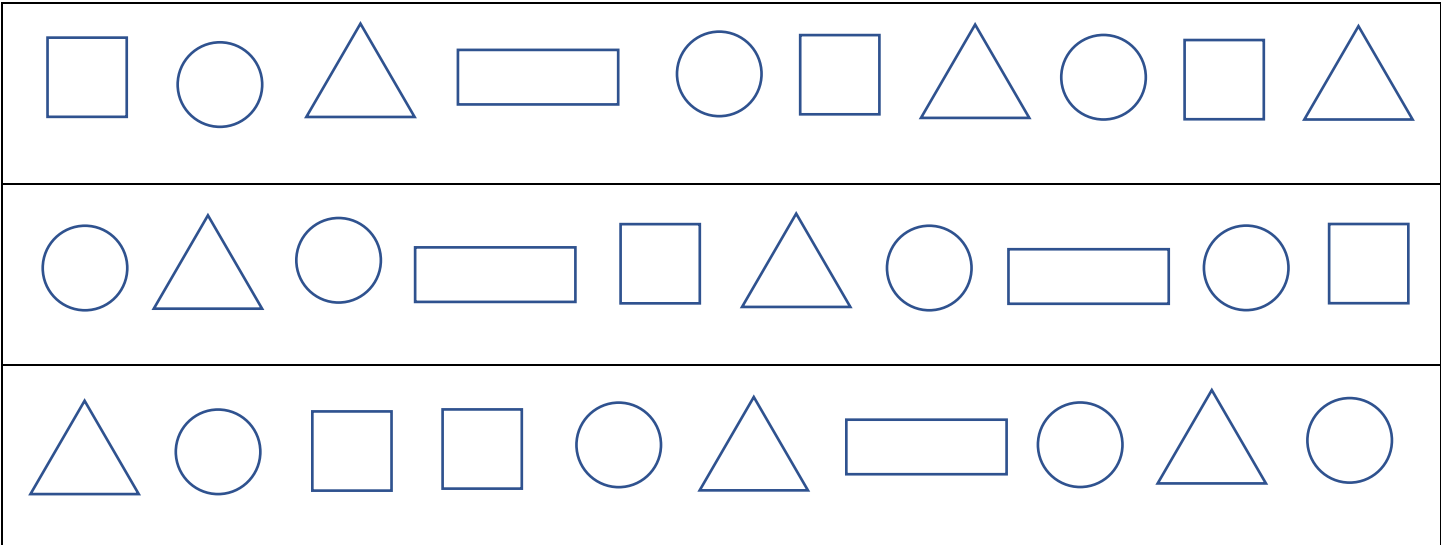
3) The total is 30.

16	6	8
2	10	18
12	14	4

4) The total is 24.

9	10	5
4	8	12
11	6	7

COUNT AND TALLY SHEET 1 ANSWERS



	TALLY	NUMBER
		<u>7</u>
		<u>11</u>
		<u>8</u>
		<u>4</u>

Which is the most common shape? circle 

3-DIGIT ADDITION SHEET 1 ANSWERS

Have a go at these 3-digit addition problems with regrouping in the ones only.

$$\begin{array}{r} 1) \quad \begin{array}{r} \overset{1}{247} \\ + 126 \\ \hline 373 \end{array} \end{array}$$

$$\begin{array}{r} 2) \quad \begin{array}{r} \overset{1}{126} \\ + 115 \\ \hline 241 \end{array} \end{array}$$

$$\begin{array}{r} 3) \quad \begin{array}{r} \overset{1}{207} \\ + 134 \\ \hline 341 \end{array} \end{array}$$

$$\begin{array}{r} 4) \quad \begin{array}{r} \overset{1}{428} \\ + 132 \\ \hline 560 \end{array} \end{array}$$

$$\begin{array}{r} 5) \quad \begin{array}{r} \overset{1}{357} \\ + 206 \\ \hline 563 \end{array} \end{array}$$

$$\begin{array}{r} 6) \quad \begin{array}{r} \overset{1}{133} \\ + 115 \\ \hline 248 \end{array} \end{array}$$

$$\begin{array}{r} 7) \quad \begin{array}{r} \overset{1}{445} \\ + 216 \\ \hline 661 \end{array} \end{array}$$

$$\begin{array}{r} 8) \quad \begin{array}{r} \overset{1}{502} \\ + 254 \\ \hline 756 \end{array} \end{array}$$

$$\begin{array}{r} 9) \quad \begin{array}{r} \overset{1}{328} \\ + 215 \\ \hline 543 \end{array} \end{array}$$

$$\begin{array}{r} 10) \quad \begin{array}{r} \overset{1}{267} \\ + 128 \\ \hline 395 \end{array} \end{array}$$

$$\begin{array}{r} 11) \quad \begin{array}{r} \overset{1}{135} \\ + 27 \\ \hline 162 \end{array} \end{array}$$

$$\begin{array}{r} 12) \quad \begin{array}{r} \overset{1}{352} \\ + 236 \\ \hline 588 \end{array} \end{array}$$

$$\begin{array}{r} 13) \quad \begin{array}{r} \overset{1}{335} \\ + 107 \\ \hline 442 \end{array} \end{array}$$

$$\begin{array}{r} 14) \quad \begin{array}{r} \overset{1}{572} \\ + 306 \\ \hline 878 \end{array} \end{array}$$

$$\begin{array}{r} 15) \quad \begin{array}{r} \overset{1}{358} \\ + 216 \\ \hline 574 \end{array} \end{array}$$

$$\begin{array}{r} 16) \quad \begin{array}{r} \overset{1}{208} \\ + 35 \\ \hline 243 \end{array} \end{array}$$

$$\begin{array}{r} 17) \quad \begin{array}{r} \overset{1}{634} \\ + 255 \\ \hline 889 \end{array} \end{array}$$

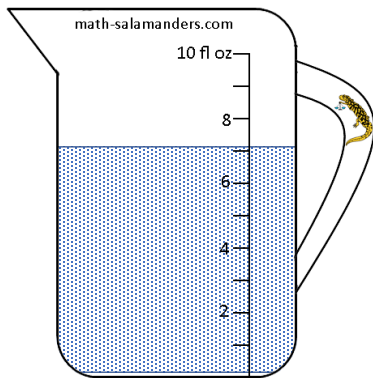
$$\begin{array}{r} 18) \quad \begin{array}{r} \overset{1}{537} \\ + 47 \\ \hline 584 \end{array} \end{array}$$

$$\begin{array}{r} 19) \quad \begin{array}{r} \overset{1}{407} \\ + 269 \\ \hline 676 \end{array} \end{array}$$

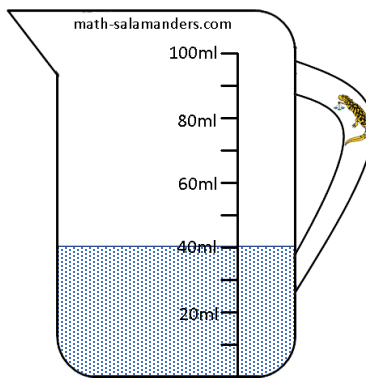
$$\begin{array}{r} 20) \quad \begin{array}{r} \overset{1}{358} \\ + 139 \\ \hline 497 \end{array} \end{array}$$

READING SCALES 2A ANSWERS

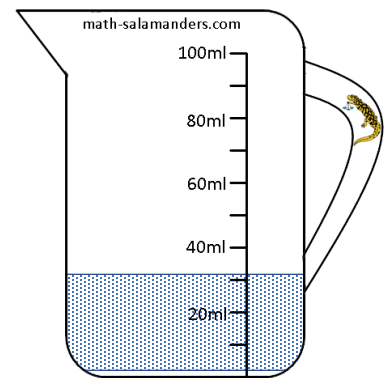
1) How many fl oz? 7



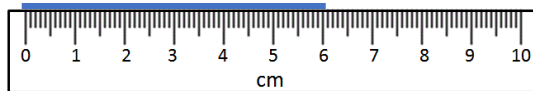
2) How many ml? 40



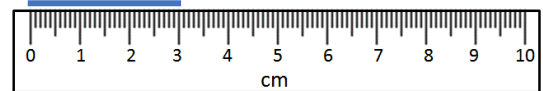
3) How many ml? 30



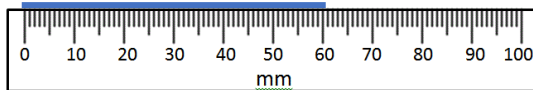
4) How long is the line? 6 cm



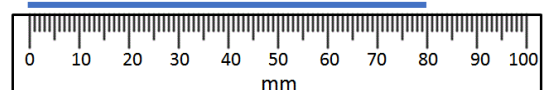
5) How long is the line? 3 cm



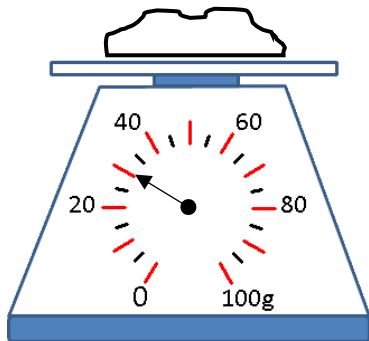
6) How long is the line? 60 mm



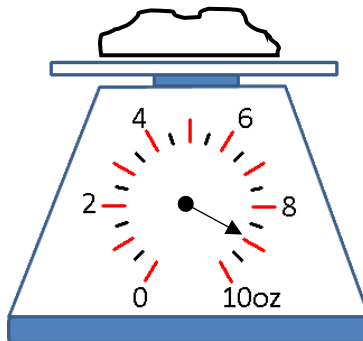
7) How long is the line? 80 mm



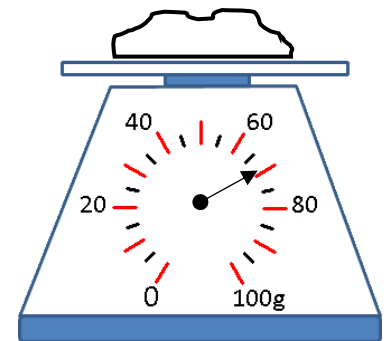
8) How many g? 30



9) How many oz? 9



10) How many g? 70



MULTIPLICATION UP TO 5x5 SHEET 1 ANSWERS

1) $3 + 3 + 3 = 3 \times 3 = \underline{9}$	11) $2 \times 3 = 2 + 2 + 2 = \underline{6}$
2) $2 + 2 + 2 = \underline{2 \times 3} = \underline{6}$	12) $4 \times 2 = \underline{4 + 4} = \underline{8}$
3) $5 + 5 = \underline{5 \times 2} = \underline{10}$	13) $2 \times 2 = \underline{2 + 2} = \underline{4}$
4) $4 + 4 + 4 = \underline{4 \times 3} = \underline{12}$	14) $1 \times 4 = \underline{1 + 1 + 1 + 1} = \underline{4}$
5) $1 + 1 + 1 = \underline{1 \times 3} = \underline{3}$	15) $3 \times 3 = \underline{3 + 3 + 3} = \underline{9}$
6) $3 + 3 + 3 + 3 = \underline{3 \times 4} = \underline{12}$	16) $2 \times 4 = \underline{2 + 2 + 2 + 2} = \underline{8}$
7) $5 + 5 + 5 = \underline{5 \times 3} = \underline{15}$	17) $5 \times 3 = \underline{5 + 5 + 5} = \underline{15}$
8) $2 + 2 + 2 + 2 = \underline{2 \times 4} = \underline{8}$	18) $3 \times 4 = \underline{3 + 3 + 3 + 3} = \underline{12}$
9) $1 + 1 + 1 + 1 = \underline{1 \times 4} = \underline{4}$	19) $2 \times 5 = \underline{2 + 2 + 2 + 2 + 2} = \underline{10}$
10) $0 + 0 + 0 = \underline{0 \times 3} = \underline{0}$	20) $4 \times 5 = \underline{4 + 4 + 4 + 4 + 4} = \underline{20}$

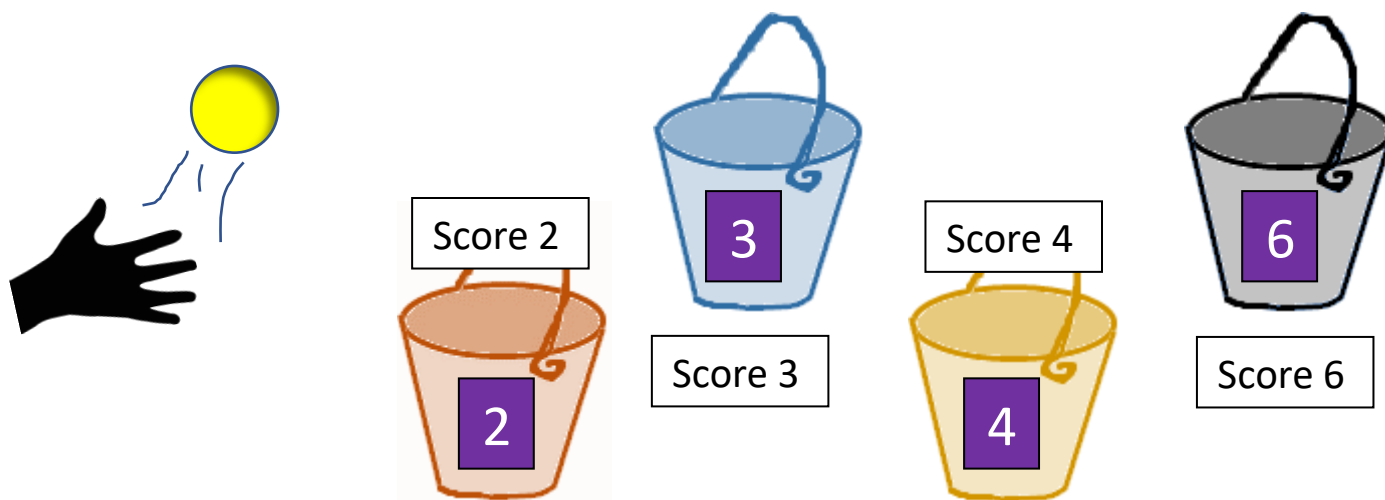
Key question: what happens when you change the order of the numbers:
 2×4 and 4×2 or 3×4 and 4×3 ?

If you change the order of numbers, the answer stays the same. This works for any multiplication.

BALLS-IN-THE-BUCKET CHALLENGE 2 ANSWERS

In Newton's Balls-in-the-Bucket Challenge game, you score points by throwing balls into buckets. **You have to throw 3 balls each time.**

If you miss, or if the ball bounces out, you score 0 for that ball.



1) What is the highest score you can get? 18 points

2) Find 3 different ways to score 12 points.

There are 4 ways in total.

3, 3 and 6
2, 4 and 6
0, 6 and 6
4, 4 and 4

3) Find 3 different ways to score 9 points.

0, 3 and 6
3, 3 and 3
2, 3 and 4

