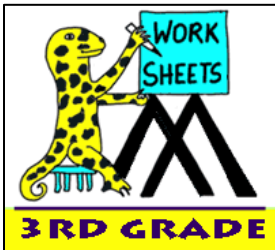


MATH SALAMANDERS

3RD GRADE MATH GRAB PACK

FALL EDITION

ANSWERS



- This is the **answer pack** for our 3rd Grade Math Grab Pack Fall Edition.
- We have **lots more free** third grade math resources – come visit our site for more!

<https://www.math-salamanders.com/3rd-grade-math-worksheets.html>

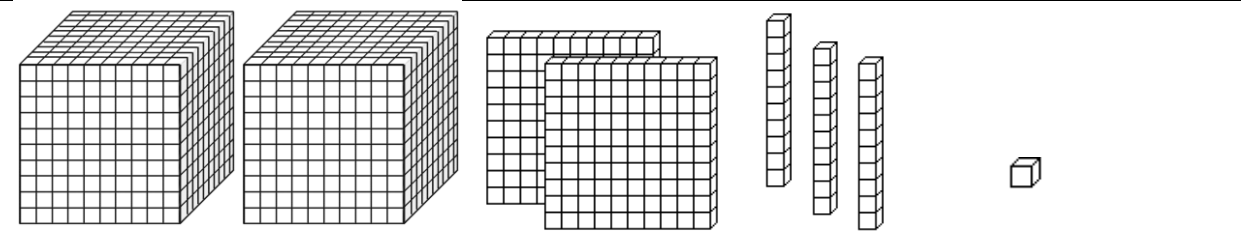
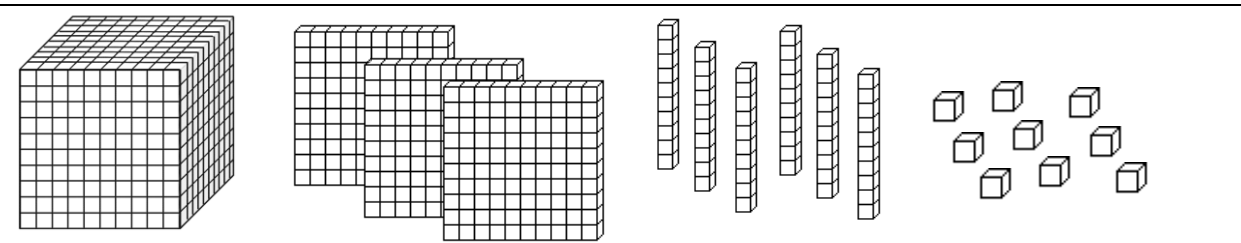
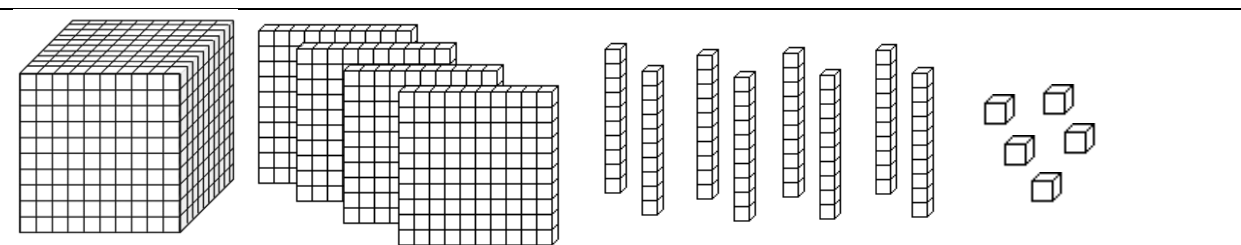
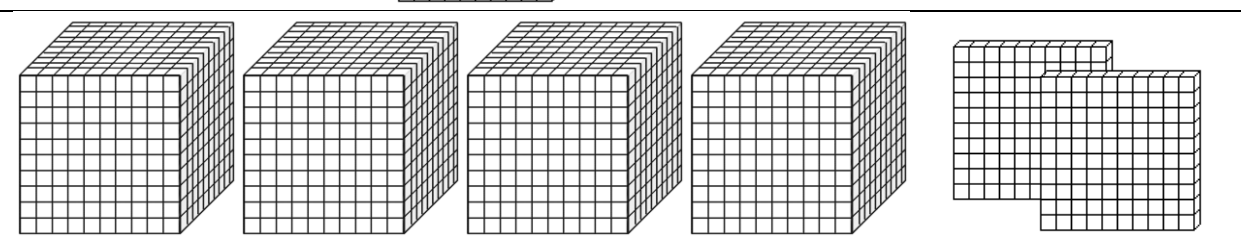
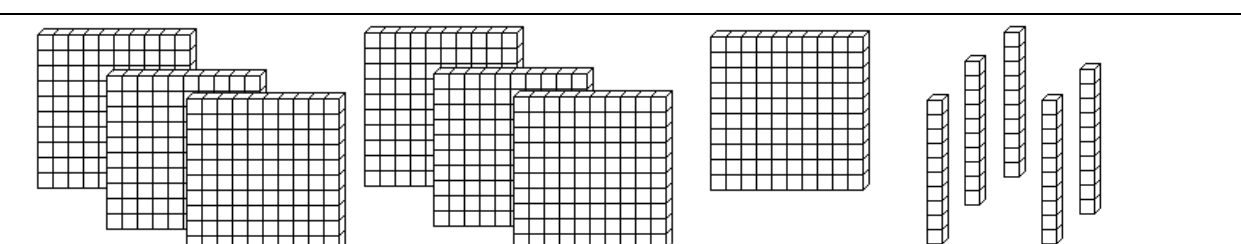
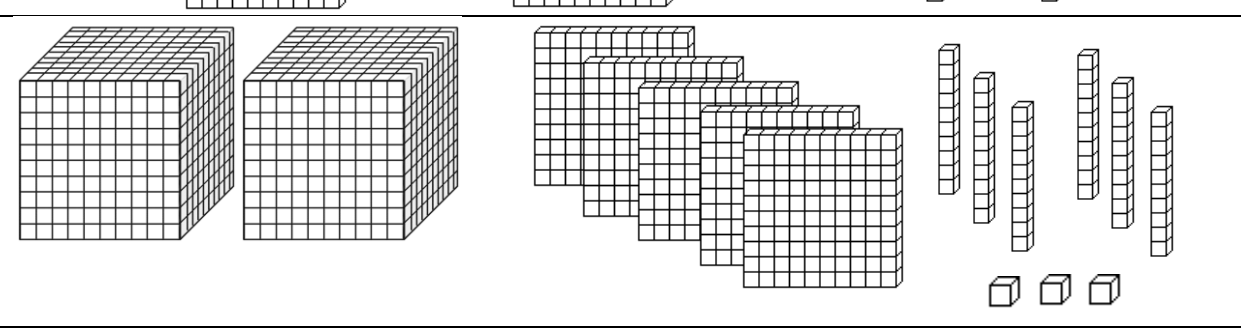
CONTENTS			
1	Place Value Blocks up to Thousands Sheet 2	9	Odd and Even Numbers to 20 Sheet 3
2	Place Value Names 4-Digits Sheet 1	10	Number Search Puzzle A1
3	Mental Math Quiz 3:2	11	4-Digit Addition Sheet 1
4	Arithmagon Triangle Puzzle 3A	12	Telling the Time to 5 minutes Sheet 1
5	Bar Graphs Sheet 3A	13	Frogs in Ponds Challenge 1
6	Addition and Subtraction within 20 Codebreaker	14	Fraction Number Lines 1
7	Fraction Spotting Sheet 1	15	4-Digit Subtraction Sheet 1
8	2,3,4,5 & 10 Times Tables Sheet 1		

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 BLOCKS: UP TO THOUSANDS SHEET 2 ANSWERS

	How many? <u>2231</u>
	How many? <u>1369</u>
	How many? <u>1485</u>
	How many? <u>4200</u>
	How many? <u>750</u>
	How many? <u>2563</u>

PLACE VALUE NAMES 4-DIGITS SHEET 1 ANSWERS

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

1267 → 7	4235 → <u>5</u>	3190 → <u>0</u>	8302 → <u>2</u>
----------	-----------------	-----------------	-----------------

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

2743 → <u>4</u>	5194 → <u>9</u>	8320 → <u>2</u>	307 → <u>0</u>
-----------------	-----------------	-----------------	----------------

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

6035 → <u>0</u>	3502 → <u>5</u>	1238 → <u>2</u>	839 → <u>8</u>
-----------------	-----------------	-----------------	----------------

4) Write down which digit is in the **thousands** place:

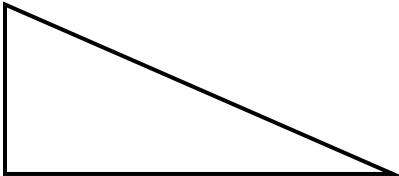
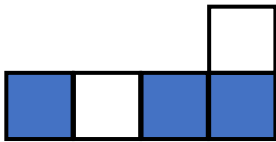
6235 → <u>6</u>	8302 → <u>8</u>	1428 → <u>1</u>	389 → <u>0</u>
-----------------	-----------------	-----------------	----------------

5) Have a go at the riddle below:

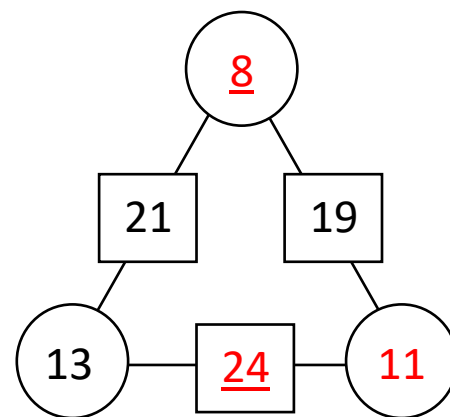
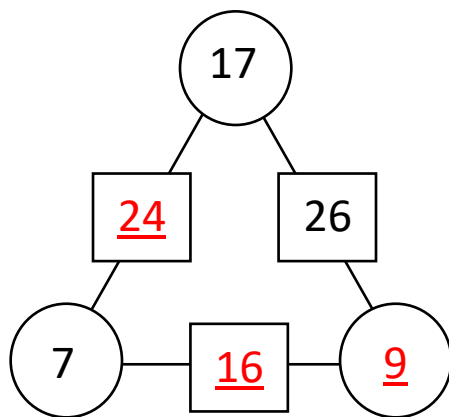
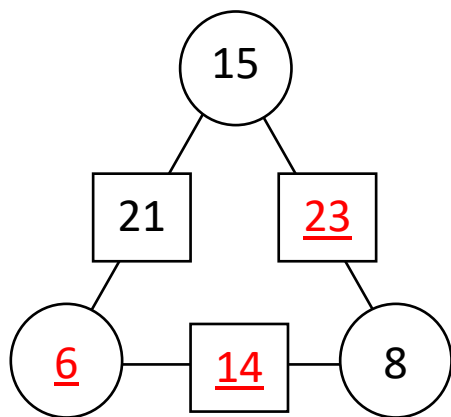
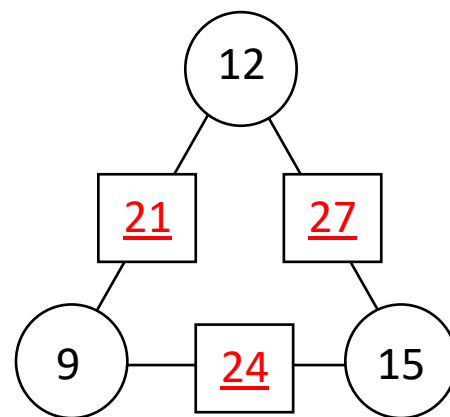
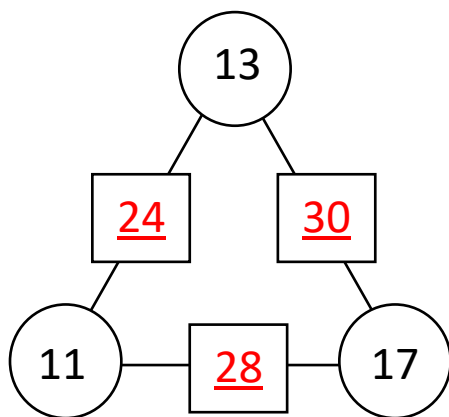
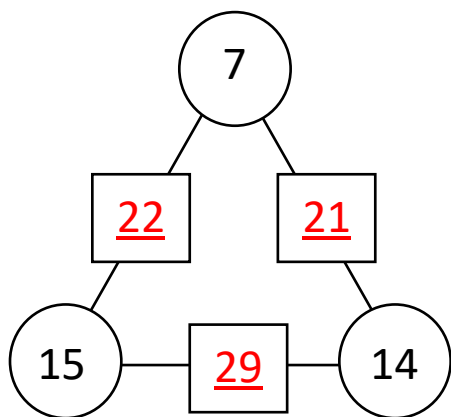
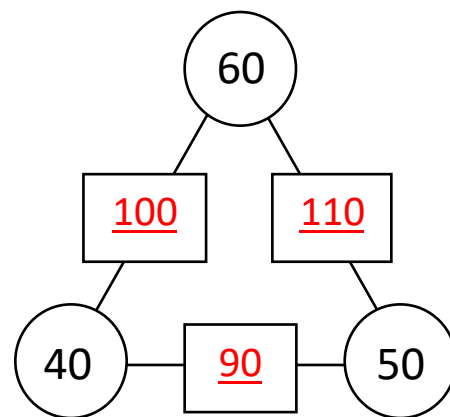
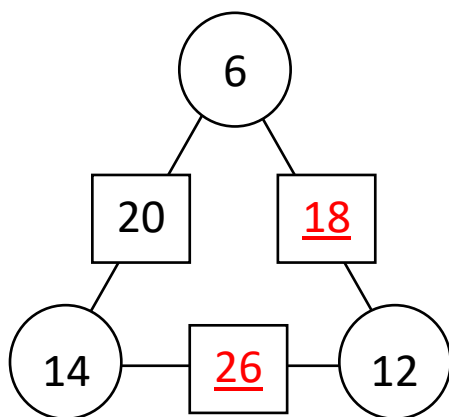
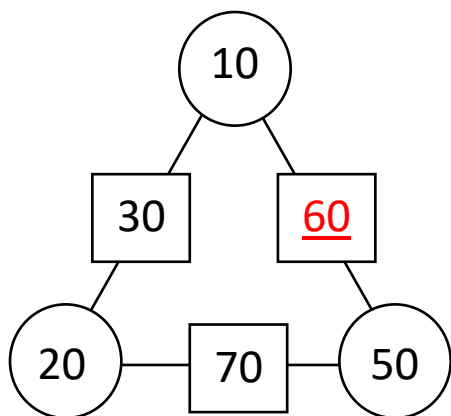
- I am a 4-digit number.
- My thousands digit is more than 6.
- My hundreds digit is odd.
- My tens digit is not less than 6.
- Who am I?

7261	8073	3925
973	6372	5307
9314	<u>7963</u>	977

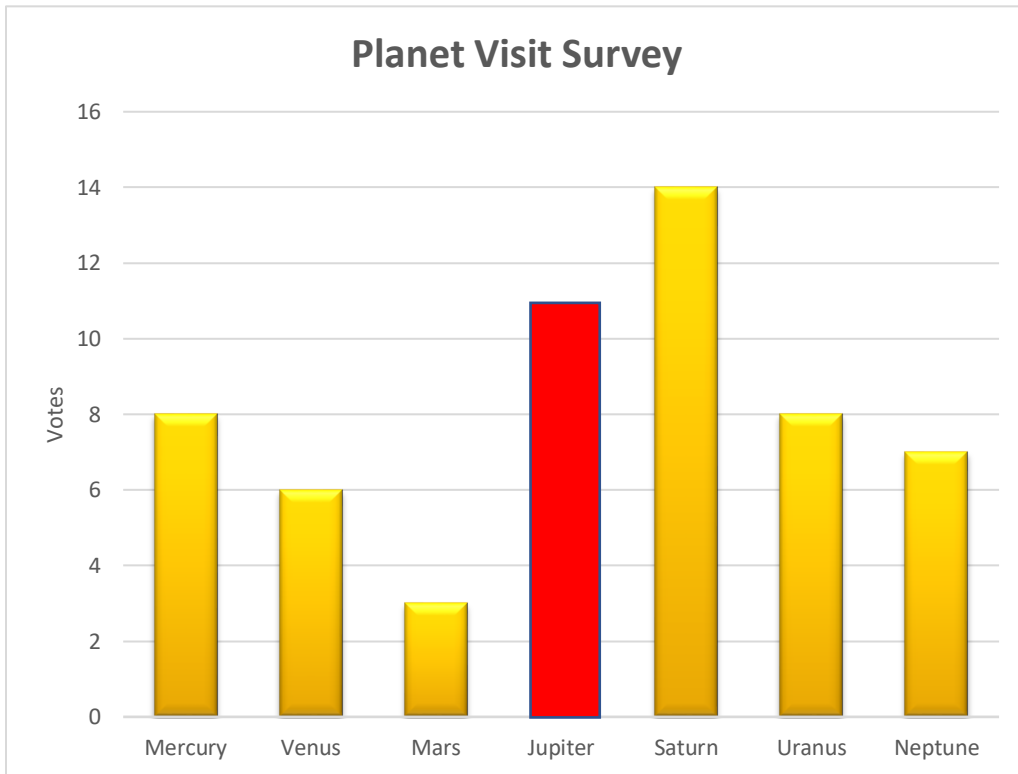
MENTAL MATH QUIZ 3:2 ANSWERS

1)	$500 + 70 + 4$	574
2)	Half of 30	15
3)	What is this triangle called? 	right triangle
4)	$30 - 6$	24
5)	What is the value of the digit 7 in the number 1726?	700
6)	Double 14	28
7)	5×6	30
8)	Write down all the odd numbers from the list below 42, 37, 21, 26, 38, 63	37, 21, 63
9)	Round 67 to the nearest 10.	70
10)	What number comes halfway between 30 and 50?	40
11)	How many nickels make 30¢?	6
12)	The time is 4:30pm. What will the time be in half an hour?	5:00pm
13)	How much is 3 dimes and 3 nickels? 	45¢
14)	What fraction of this shape is shaded? 	$\frac{3}{5}$
15)	I am facing north. I turn 2 half turns. Which way am I facing now?	north
16)	How many inches in 2 foot?	24 inches

ARITHMOGON TRIANGLE PUZZLE 3A ANSWERS



BAR GRAPHS SHEET 3A - PLANET SURVEY ANSWERS



Planet	Votes
Mercury	<u>8</u>
Venus	6
Mars	3
Jupiter	11
Saturn	14
Uranus	8
Neptune	<u>7</u>

- 1) Fill in the missing data in the table for Mercury and Neptune.
- 2) Draw a bar to show how many votes Jupiter got.
- 3) Which was the most popular planet to visit? Saturn
- 4) How many more votes did Saturn get than Uranus? 6
- 5) How many more votes did Mercury get than Mars? 5
- 6) Saturn got more votes than the 3 least popular planets. True or false? False. Mars + Venus + Neptune = 3+6+7 = 16. Saturn = 14
- 7) Which two planets got the same number of votes?

Mercury & Uranus

ADDITION & SUBTRACTION WITHIN 20 CODEBREAKER 1 ANSWERS

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

A	B	C	D	E	F	H	I	K	L	M	N	O	P	R	S	T	U	V	W	.
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Why did the general always wear long sleeves?



Answer Letter	S	O		T	H	A	T		N	O	
Answer Number	15	12		16	6	0	16		11	12	
Fact	10+5	16-4		7+9	18-12	9-9	3+13		16-5	20-8	

Answer Letter	O	N	E		C	O	U	L	D		
Answer Number	12	11	4		2	12	17	9	3		
Fact	18-6	2+9	17-13		14-12	3+9	5+12	19-10	16-13		

Answer Letter	O	B	S	E	R	V	E		H	I	S
Answer Number	12	1	15	4	14	18	4		6	7	15
Fact	18-6	15-14	9+6	15-11	8+6	5+13	20-16		15-9	13-6	3+12

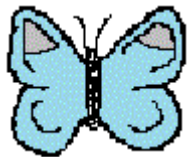
Answer Letter	A	R	M	I	E	S	.				
Answer Number	0	14	10	7	4	15	20				
Fact	9-9	1+13	19-9	15-8	11-7	4+11	9+11				

Answer SO THAT NO ONE COULD OBSERVE HIS ARMIES.



FRACTION SPOTTING SHEET 1 ANSWERS

Help Frazer the Fraction Salamander to spot the fractions.



How many butterflies are orange? 4 out of 7

What fraction of the butterflies are orange?

$$\frac{4}{7}$$

How many butterflies are blue? 2 out of 7

What fraction of the butterflies are blue?

$$\frac{2}{7}$$

How many butterflies are white? 1 out of 7

What fraction of the butterflies are white?

$$\frac{1}{7}$$

2,3,4,5 & 10 TIMES TABLES SHEET 1 ANSWERS

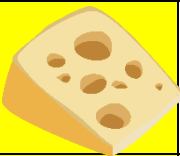
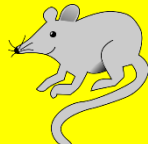
x	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
10	10	20	30	40	50	60	70	80	90	100

x	5	2	6	3	8	4	7	1	10	9
2	10	4	12	6	16	8	14	2	20	18
3	15	6	18	9	24	12	21	3	30	27
4	20	8	24	12	32	16	28	4	40	36
5	25	10	30	15	40	20	35	5	50	45
10	50	20	60	30	80	40	70	10	100	90

x	7	3	5	2	10	1	8	6	9	4
4	28	12	20	8	40	4	32	24	36	16
2	14	6	10	4	20	2	16	12	18	8
10	70	30	50	20	100	10	80	60	90	40
5	35	15	25	10	50	5	40	30	45	20
3	21	9	15	6	30	3	24	18	27	12

ODD AND EVEN NUMBERS TO 20 SHEET 3 ANSWERS

Shade all the **even** numbers to find out which route the mouse takes to get the cheese.

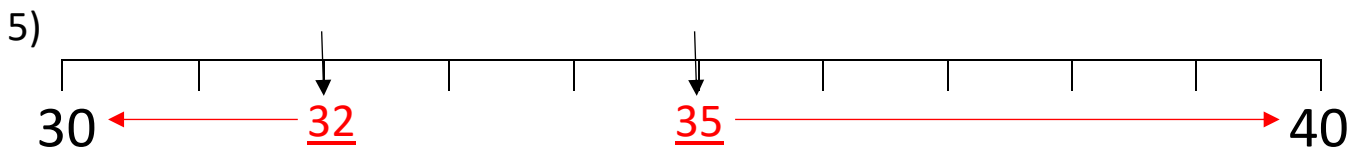
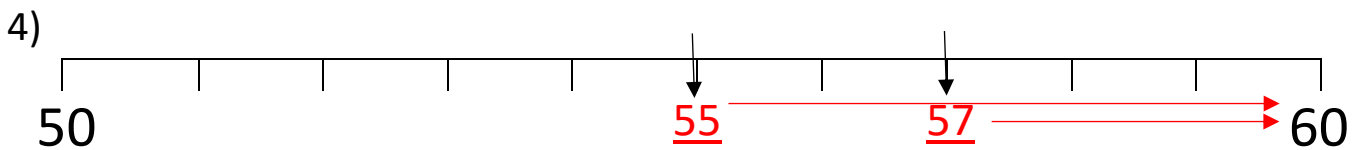
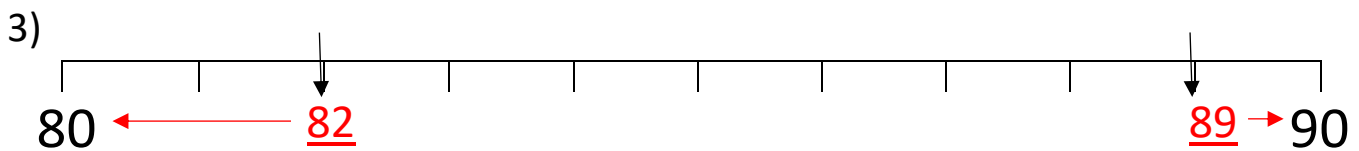
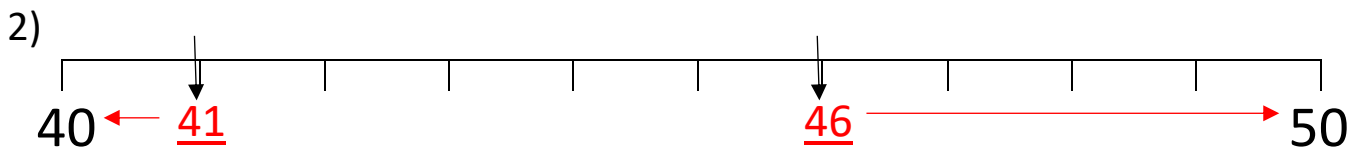
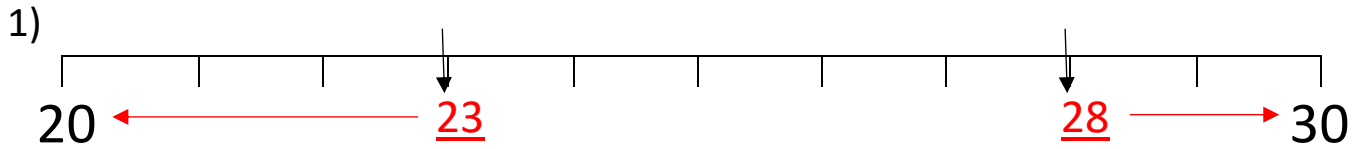
	11	9	17	5	13	3	7
18	4	15	13	7	1	19	5
17	12	5	4	20	12	8	9
13	8	16	12	19	11	14	13
1	9	15	3	17	18	6	7
7	15	12	16	2	10	3	19
14	6	20	1	9	13	11	5
8	13	7	17	5	14	8	12
4	10	18	19	11	10	7	4
15	9	6	20	2	16	3	

ROUNDING TO THE NEAREST 10 SHEET 1 ANSWERS

Fill in the number marked by the arrow.

Draw an arrow to show where the nearest 10 is.

Remember: if the number is in the middle, it will round up to the next 10.



NUMBER SEARCH PUZZLE A1 ANSWERS

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

102	1515	4022
286	1273	5617
357	2213	6450
431	2811	7180
506	3213	8645
642	3712	9715

4-DIGIT ADDITION SHEET 1 ANSWERS

1)	$\begin{array}{r} 2607 \\ + 1328 \\ \hline 3935 \end{array}$	2)	$\begin{array}{r} 5286 \\ + 505 \\ \hline 5791 \end{array}$	3)	$\begin{array}{r} 2305 \\ + 3523 \\ \hline 5828 \end{array}$	4)	$\begin{array}{r} 6817 \\ + 1320 \\ \hline 8137 \end{array}$
----	--	----	---	----	--	----	--

5)	$\begin{array}{r} 2582 \\ + 2173 \\ \hline 4755 \end{array}$	6)	$\begin{array}{r} 4438 \\ + 3121 \\ \hline 7559 \end{array}$	7)	$\begin{array}{r} 7653 \\ + 273 \\ \hline 7926 \end{array}$	8)	$\begin{array}{r} 1914 \\ + 359 \\ \hline 2273 \end{array}$
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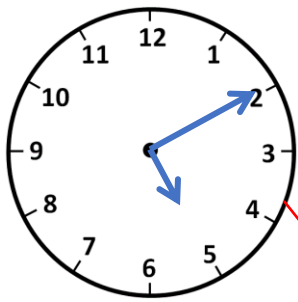
9)	$\begin{array}{r} 3348 \\ + 2296 \\ \hline 5644 \end{array}$	10)	$\begin{array}{r} 1843 \\ + 4514 \\ \hline 6357 \end{array}$	11)	$\begin{array}{r} 2485 \\ + 5176 \\ \hline 7661 \end{array}$	12)	$\begin{array}{r} 7624 \\ + 365 \\ \hline 7989 \end{array}$
----	--	-----	--	-----	--	-----	---

13)	$\begin{array}{r} 5597 \\ + 2164 \\ \hline 7761 \end{array}$	14)	$\begin{array}{r} 2357 \\ + 4482 \\ \hline 6839 \end{array}$	15)	$\begin{array}{r} 8615 \\ + 426 \\ \hline 9041 \end{array}$	16)	$\begin{array}{r} 5548 \\ + 3703 \\ \hline 9251 \end{array}$
-----	--	-----	--	-----	---	-----	--

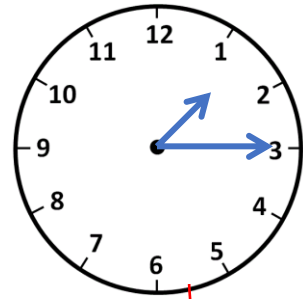
17)	$\begin{array}{r} 3417 \\ + 3351 \\ \hline 6768 \end{array}$	18)	$\begin{array}{r} 1652 \\ + 3275 \\ \hline 4927 \end{array}$	19)	$\begin{array}{r} 4846 \\ + 3372 \\ \hline 8218 \end{array}$	20)	$\begin{array}{r} 8753 \\ + 629 \\ \hline 9382 \end{array}$
-----	--	-----	--	-----	--	-----	---

21)	$\begin{array}{r} 5415 \\ + 2607 \\ \hline 8022 \end{array}$	22)	$\begin{array}{r} 3734 \\ + 3275 \\ \hline 7009 \end{array}$	23)	$\begin{array}{r} 7914 \\ + 466 \\ \hline 8380 \end{array}$	24)	$\begin{array}{r} 2634 \\ + 3536 \\ \hline 6170 \end{array}$
-----	--	-----	--	-----	---	-----	--

TELLING THE TIME TO 5 MINUTES SHEET 1 ANSWERS

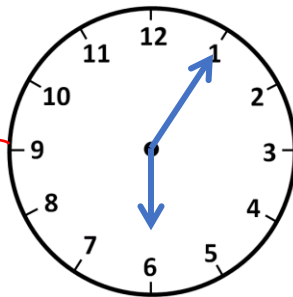


7:40

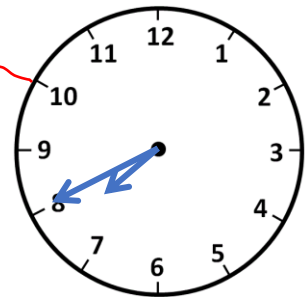


1:15

6:05

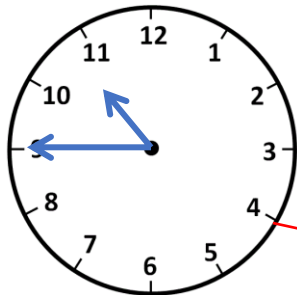
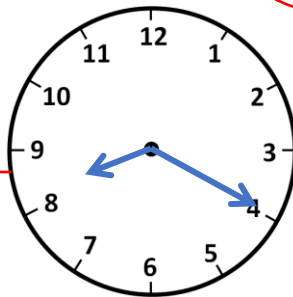


5:10



10:45

8:20



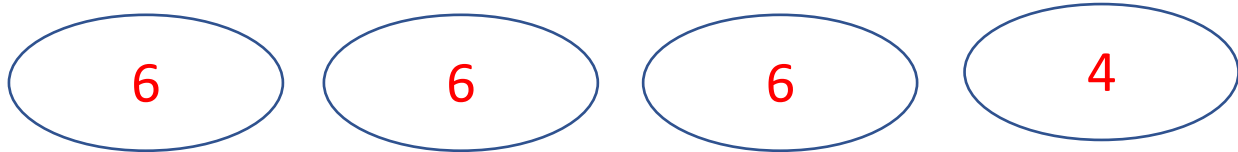
FROGS IN PONDS CHALLENGE 1 ANSWERS



In each of the challenges below, there has to be a total of 22 frogs!

Challenge 1

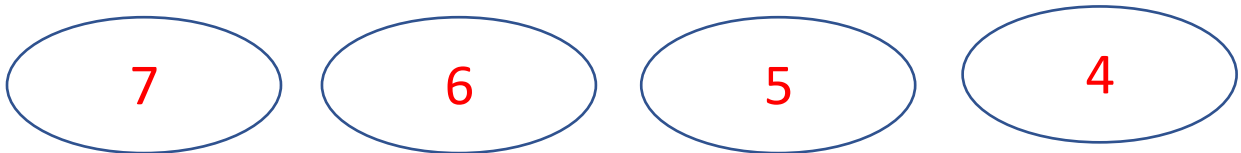
Fill each pond with either 4 or 6 frogs.



Total: 22 frogs

Challenge 2

Make each pond hold one less frog than the one before.



Total: 22 frogs

Challenge 3

Make each pond hold a different odd number of frogs.

Total: 22 frogs

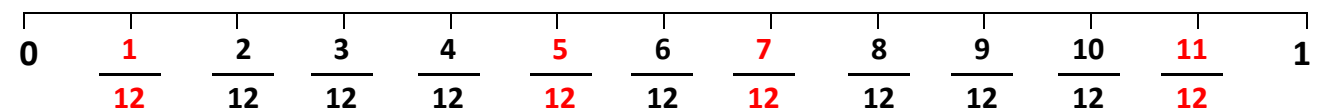
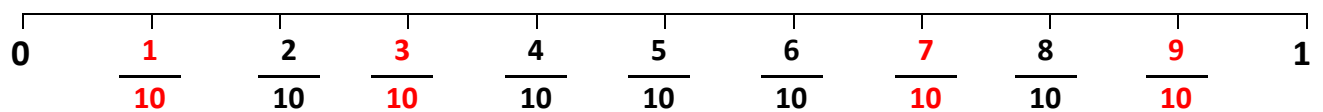
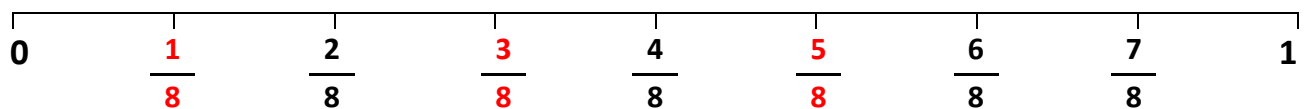
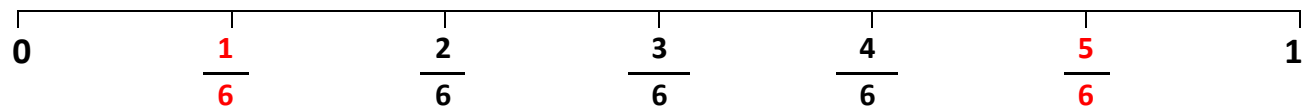
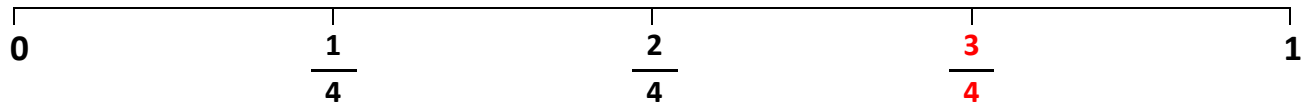
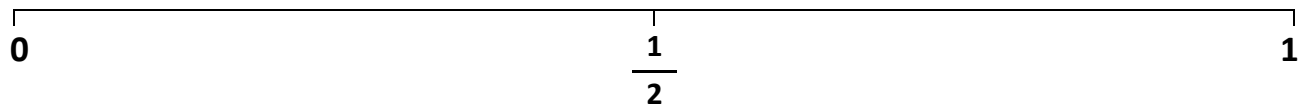
There are 3 different answers:

1, 3, 5, 13

1, 3, 7, 11

1, 5, 7, 9

FRACTION NUMBER LINES 1 ANSWERS



4-DIGIT SUBTRACTION SHEET 1 ANSWERS

$$\begin{array}{r} 1) \quad 5243 \\ - 2126 \\ \hline 3117 \end{array}$$

$$\begin{array}{r} 2) \quad 3531 \\ - 1125 \\ \hline 2406 \end{array}$$

$$\begin{array}{r} 3) \quad 4257 \\ - 2134 \\ \hline 2123 \end{array}$$

$$\begin{array}{r} 4) \quad 2483 \\ - 1631 \\ \hline 0852 \end{array}$$

$$\begin{array}{r} 5) \quad 7258 \\ - 4636 \\ \hline 2622 \end{array}$$

$$\begin{array}{r} 6) \quad 5733 \\ - 2015 \\ \hline 3718 \end{array}$$

$$\begin{array}{r} 7) \quad 8445 \\ - 723 \\ \hline 7722 \end{array}$$

$$\begin{array}{r} 8) \quad 6508 \\ - 3254 \\ \hline 3254 \end{array}$$

$$\begin{array}{r} 9) \quad 6358 \\ - 6275 \\ \hline 0083 \end{array}$$

$$\begin{array}{r} 10) \quad 4260 \\ - 2128 \\ \hline 2132 \end{array}$$

$$\begin{array}{r} 11) \quad 1165 \\ - 872 \\ \hline 0293 \end{array}$$

$$\begin{array}{r} 12) \quad 5354 \\ - 3834 \\ \hline 1520 \end{array}$$

$$\begin{array}{r} 13) \quad 7435 \\ - 2107 \\ \hline 5328 \end{array}$$

$$\begin{array}{r} 14) \quad 3537 \\ - 1396 \\ \hline 2141 \end{array}$$

$$\begin{array}{r} 15) \quad 8659 \\ - 2264 \\ \hline 6395 \end{array}$$

$$\begin{array}{r} 16) \quad 5268 \\ - 335 \\ \hline 4933 \end{array}$$

$$\begin{array}{r} 17) \quad 4670 \\ - 2255 \\ \hline 2415 \end{array}$$

$$\begin{array}{r} 18) \quad 6587 \\ - 847 \\ \hline 5740 \end{array}$$

$$\begin{array}{r} 19) \quad 7457 \\ - 1392 \\ \hline 6065 \end{array}$$

$$\begin{array}{r} 20) \quad 6758 \\ - 5597 \\ \hline 1161 \end{array}$$