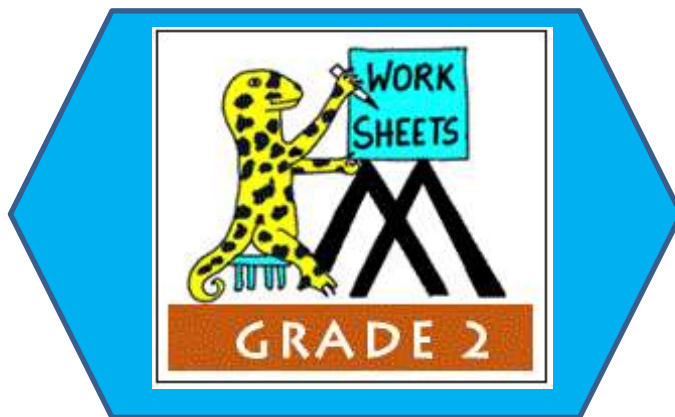


MATH SALAMANDERS

GRADE 2 MATHS GRAB PACK 4

This pack is a selection of 10 Maths sheets and 1 game adapted for Grade 2 pupils.

All the worksheets are also available separately on our site.



In the pack is a range of number sheets, colouring pages, and puzzles.

There is also an answer pack which you can download separately.

CONTENTS (ANSWER SHEETS)			
1	Counting on and back by 1s and 10s #1	7	Problem Solving Fastest Insects
2	Reading, Writing and Comparing 3-digit numbers 1	8	Number Bonds to 20 Sheet 3
3	Newton's Number Track Puzzle 2	9	Colour by Number Addition to 20
4	Counting Money Riddles 2A	10	Mental Math Quiz 2:A4
5	Addition Facts – Adding 3 Digits	11	Classify It Game #2
6	Find the 2 Digits Sheet 2		

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/maths-grab-packs.html>



Free Math Sheets, Math Games and Math Help

MATH-SALAMANDERS.COM

COUNTING ON AND BACK BY 1S & 10S SHEET 1

Each of these sequences goes on or back by ones or tens.

Fill in the missing numbers.

1) Count on by ones

65		67	68			71	
----	--	----	----	--	--	----	--

2) Count on by tens

29		49		69			99
----	--	----	--	----	--	--	----

3) Count back by ones

52			49	48			45
----	--	--	----	----	--	--	----

4) Count back by tens

86		66	56			26	
----	--	----	----	--	--	----	--

5) Count on by tens

	14		34	44			74
--	----	--	----	----	--	--	----

6) Count back by ones

	43		41			38	
--	----	--	----	--	--	----	--

7) Count on by ones

		91			94	95	
--	--	----	--	--	----	----	--

8) Count back by tens

	78		58		38		
--	----	--	----	--	----	--	--



READING, WRITING AND COMPARING 3-DIGIT NUMBERS

SHEET 1

162	328	273	184
680	204	127	95
755	827	951	616

In the table, can you find...?

A number between 100 and 150.	127
A number between 900 and 1000.	
A number smaller than 100.	
A number between 300 and 400.	
A number that has 6 tens.	
A number that has 5 ones.	
A number that has 6 hundreds.	
A number that has 2 digits the same.	
A number with no tens.	



Remember 453 is 4 hundreds, 5 tens and 3 ones.



NEWTON'S NUMBER TRACK PUZZLE 2

Each number in the number track is made by adding the previous 2 numbers together.

Example

5	4	9	13	22
---	---	---	----	----

- The third number is made by adding the first 2 numbers $5+4=9$
- The fourth number is made by adding the 2nd and 3rd numbers: $4+9=13$

Find and fill in the missing numbers in these number tracks.

1)

4	5	9		
---	---	---	--	--

2)

9	2			
---	---	--	--	--

3)

3	6			
---	---	--	--	--

4)

8	5			
---	---	--	--	--

5)

4	7			
---	---	--	--	--

6)

5	6			
---	---	--	--	--

7)

11	4			
----	---	--	--	--

8)

3		9		
---	--	---	--	--

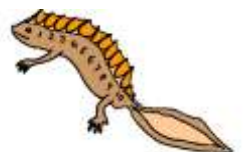
9)

	7	12		
--	---	----	--	--

10)

6				21
---	--	--	--	----







Can you make your own Number Track puzzle for someone else to solve?



COUNTING MONEY RIDDLES 2A

Use the clues to find the correct set of coins from the 6 possibilities.

CHALLENGE 1	CHALLENGE 2
<ul style="list-style-type: none"> I am more than 30 cents. 	<ul style="list-style-type: none"> I am less than \$1.
<ul style="list-style-type: none"> I am less than 80 cents. 	<ul style="list-style-type: none"> I do not have 3 coins.
<ul style="list-style-type: none"> My highest value coin is 20 cents. 	<ul style="list-style-type: none"> My coins have different values.
<ul style="list-style-type: none"> Both my coins have the same value. 	<ul style="list-style-type: none"> You can make my value using only 10 cent coins.
Who am I? _____	Who am I? _____

<p>A</p> 	<p>B</p> 
<p>C</p> 	<p>D</p> 
<p>E</p> 	<p>F</p> 



ADDITION FACTS ADDING 3 DIGITS SHEET 2

All these facts involve adding 3 digits together. Work out the answers.

1) $7 + 6 + 2 = \underline{\quad}$

2) $4 + 5 + 3 = \underline{\quad}$

3) $5 + 8 + 4 = \underline{\quad}$

4) $9 + 2 + 3 = \underline{\quad}$

5) $6 + 7 + 4 = \underline{\quad}$

6) $2 + 9 + 8 = \underline{\quad}$

7) $4 + 7 + 5 = \underline{\quad}$

8) $6 + 6 + 4 = \underline{\quad}$

9) $8 + 5 + 2 = \underline{\quad}$

10) $4 + 8 + 4 = \underline{\quad}$

11) $5 + 3 + 9 = \underline{\quad}$

12) $1 + 7 + 8 = \underline{\quad}$

13) $7 + 8 + 5 = \underline{\quad}$

14) $3 + 8 + 6 = \underline{\quad}$

15) $5 + 9 + 4 = \underline{\quad}$

16) $4 + 4 + 8 = \underline{\quad}$

17) $7 + 3 + 8 = \underline{\quad}$

18) $9 + 4 + 6 = \underline{\quad}$

19) $5 + 6 + 7 = \underline{\quad}$

20) $8 + 5 + 9 = \underline{\quad}$

21) $4 + 8 + 6 = \underline{\quad}$

22) $9 + 4 + 8 = \underline{\quad}$

23) $6 + 7 + 6 = \underline{\quad}$

24) $8 + 9 + 5 = \underline{\quad}$

25) $5 + 9 + 9 = \underline{\quad}$

26) $7 + 5 + 8 = \underline{\quad}$

27) $8 + 9 + 7 = \underline{\quad}$

28) $4 + 6 + 9 = \underline{\quad}$

29) $9 + 5 + 7 = \underline{\quad}$

30) $9 + 8 + 9 = \underline{\quad}$

Challenge: Find 3 even numbers that add up to 14.

Each of the numbers should be different. $\underline{\quad} + \underline{\quad} + \underline{\quad} = 14$



FIND THE 2 DIGITS! SHEET 2

Tyger Salamander has stolen 2 digits from the pack of digit cards.



He tells the other salamanders that he will give them back if they can guess what number he has made with them.

He tells them:

- My number is more than 30.
- My 2 digits add up to 10.

What 2-digit number could he have made?

Find all possibilities.

PROBLEM SOLVING: FASTEST INSECTS (STANDARD)

Here are some of the fastest flying insects!

Insect	Speed miles per hour (mph)	Nearest 10 mph	Order of speed
Bumblebee		20	
Deer Bot Fly	27		
Dragonfly	40	40	1
Hawkmoth			
Hornet	21		
Monarch butterfly			

1) Use the facts below to complete the missing data in the table:

- *The bumblebee is 3 mph slower than a hornet.*
- *The hawkmoth is 7 mph faster than a deer bot fly.*
- *The monarch butterfly is 5 mph slower than a hornet.*



2) Round the speeds to the nearest 10 mph. Put the results in the table.

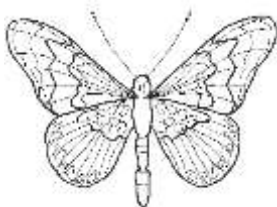
3) Fill in the order of speed, with 1 being the fastest, and 6 the slowest.

4) How much faster is the dragonfly than the hawkmoth? ____ mph

5) How much slower is the monarch than the bumblebee? ____ mph

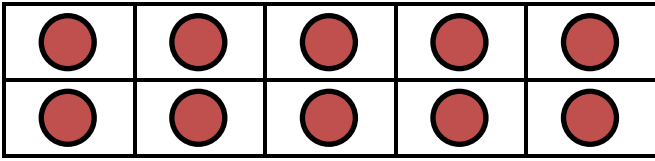
6) How much faster is a deer bot fly than a hornet? ____ mph

7) How many miles could a hornet fly in 2 hours? ____ miles

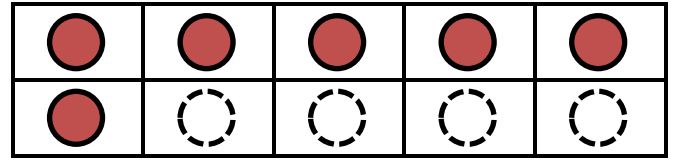


NUMBER BONDS TO 20 SHEET 3

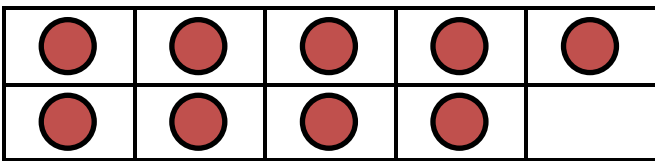
Complete the tens frame and fill in the missing number bond facts.



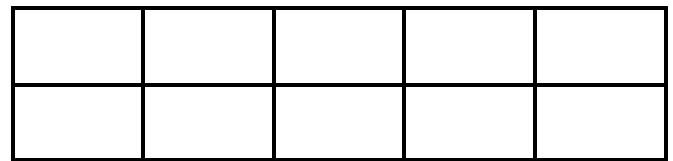
$16 + 4 = 20 \quad 4 + 16 = 20$



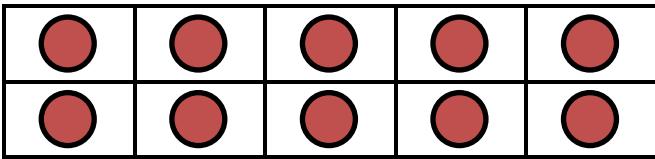
$20 - 16 = 4 \quad 20 - 4 = 16$



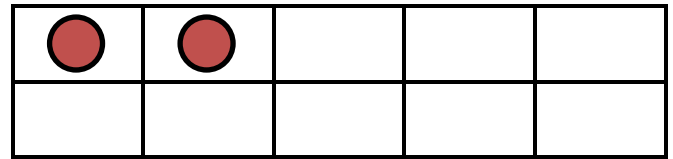
$9 + \underline{\quad} = 20 \quad \underline{\quad} + 9 = 20$



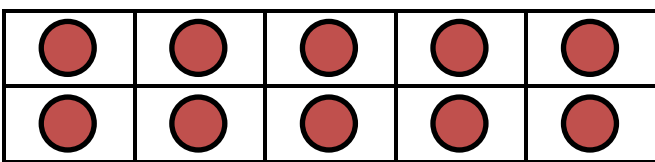
$20 - 9 = \underline{\quad} \quad 20 - \underline{\quad} = 9$



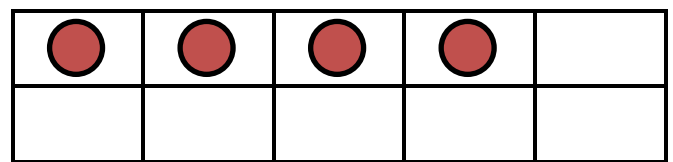
$12 + \underline{\quad} = 20 \quad \underline{\quad} + 12 = 20$



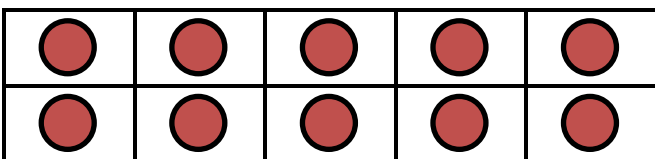
$20 - 12 = \underline{\quad} \quad 20 - \underline{\quad} = 12$



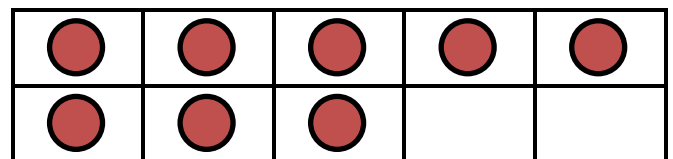
$14 + \underline{\quad} = 20 \quad \underline{\quad} + 14 = 20$



$20 - 14 = \underline{\quad} \quad 20 - \underline{\quad} = 14$



$18 + \underline{\quad} = 20 \quad \underline{\quad} + 18 = 20$



$20 - 18 = \underline{\quad} \quad 20 - \underline{\quad} = 18$



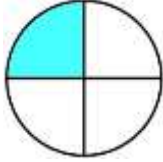

EASTER COLOUR BY NUMBER: CHICK ADDITION TO 20

10+8	5+13	1+19	6+14	7+11	6+6	7+5	7+8	2+12	4+9	8+10	14+6	7+12	10+9	6+12	9+9
17+2	2+17	6+13	7+11	3+2	10+2	10+6	2+13	8+8	1+14	1+11	7+7	8+11	16+2	14+4	6+12
10+8	5+13	9+9	5+7	9+4	16+0	4+12	8+7	6+9	3+13	7+9	5+15	16+3	18+2	11+8	3+17
5+14	16+3	7+11	9+10	4+12	6+10	13+3	11+4	9+8	10+7	3+13	8+8	6+14	8+10	7+12	18+2
16+2	14+5	10+8	17+3	13+2	5+10	9+7	4+13	8+9	6+10	13+4	10+7	5+13	3+15	18+0	15+3
4+14	7+12	10+9	4+14	3+14	8+10	15+1	8+7	10+5	9+8	6+14	16+1	17+1	13+5	6+14	18+1
3+16	5+14	3+9	17+3	3+12	4+11	7+10	5+4	1+10	6+10	8+8	11+6	5+15	5+8	1+2	13+6
12+8	6+6	4+0	6+9	11+6	0+16	6+4	1+8	6+5	3+8	5+12	8+7	4+12	13+2	3+15	16+4
10+9	9+7	2+14	15+2	7+10	6+9	12+3	7+3	10+0	17+0	5+10	6+11	4+11	2+0	10+5	6+8
13+3	10+6	9+8	4+8	1+3	4+11	13+2	10+7	4+12	16+0	3+14	1+1	10+2	6+7	8+7	4+11
11+7	8+8	3+3	2+6	11+2	0+0	2+14	5+10	3+10	8+7	5+7	7+6	7+0	3+5	4+4	6+13
15+4	2+10	4+9	8+6	1+7	5+2	1+11	1+15	3+10	7+7	1+5	3+4	5+9	2+12	2+2	20+0
3+17	4+6	9+2	4+7	14+0	4+8	5+1	4+4	2+5	5+7	6+8	7+5	4+5	10+1	3+8	2+17
7+12	2+3	9+3	5+6	7+2	1+8	4+8	10+4	7+6	6+4	2+9	7+4	3+11	10+0	10+2	16+4
15+5	0+2	8+5	11+3	3+6	2+10	5+6	1+10	8+2	13+0	3+7	5+9	7+7	3+10	3+1	8+10
11+7	6+13	7+1	0+6	3+3	8+5	9+3	7+2	2+10	12+1	3+10	2+5	0+8	4+4	17+3	5+13
8+11	4+16	7+7	2+10	3+4	5+1	3+3	5+8	9+4	0+6	4+3	1+7	4+10	7+13	15+5	18+1
1+13	14+4	3+16	0+1	12+2	5+9	4+8	6+2	1+7	7+7	3+11	1+13	1+0	6+12	15+3	0+4
6+6	0+0	18+2	1+19	2+2	1+4	4+10	9+5	7+7	2+1	1+3	4+0	7+13	15+3	7+5	9+3
8+5	3+10	7+6	2+16	10+9	12+2	2+0	1+2	3+1	2+3	3+9	9+11	4+15	7+7	5+0	10+4

KEY		
0 to 5 white	6 to 8 green	9 to 11 red
12 to 14 blue	15 to 17 yellow	18 to 20 black



MENTAL MATH SHEET A4

1)	$2 \times 6 =$	
2)	How many more is 8 than 3?	
3)	20 subtract 11	
4)	$80 + \underline{\quad} = 86$	
5)	What fraction is shaded? 	
6)	How many nickels make 20¢?	
7)	What is the next number: 89, 87, 85, 83, 81, <u> </u>	
8)	How many socks in 6 pairs?	
9)	$5 + 7 = 10 + \underline{\quad}$	
10)	Double 14	
11)	$4 + 4 + 4 + 4 + 4 = 4 \times \underline{\quad}$	
12)	Flame has 9 candies which she shares between her 3 friends. How many do they each get?	
13)	What number is 10 more than 32?	
14)	How much money? 	
15)	How many <i>cm</i> in a <i>m</i> ?	
16)	How many wheels on 3 cars?	



CLASSIFY IT! GAME #2

Classify It Game #2 is a good game for getting children to develop their understanding of different math vocabulary such as odd and even, equal to, greater/less than and between. It also helps to develop quick recall of addition facts of 3 small numbers.

Age range: 2nd Grade +

Number of players: 2-3

Learning:

- Adding up the numbers on 3 dice
- Odd and even numbers to 18
- Vocabulary:
 - More/Greater than
 - Smaller/Less than
 - Between ... and ...

You will need

- 8 different coloured counters per player
- 3 dice (or one 20-sided dice)

Instructions

- Each player takes turns to roll the dice and add them up. The player then chooses one classification hexagon on the board which matches the total they have rolled. They cover this hexagon up with a counter.
- If a person cannot find any hexagon which matches their number, they pass the dice on to the next player.
- The game finishes when all the hexagons are covered up.
- The winner of the game is the person who manages to cover up most hexagons.

Variations (if you want to change the rules...)

- Alternative winning strategy:
 - The winner of the game is the first person to get 3 counters in a row (vertical or diagonal)
- Use a 20-sided dice instead of 3 six-sided dice.

CLASSIFY IT!

GAME #2



A grid of 15 hexagonal cells arranged in a honeycomb pattern. The cells are shaded in alternating light and dark pink colors. Each cell contains a classification rule for numbers.

odd	between 11 and 17
equal to 7, 8 or 9	greater than 10
smaller than 11	equal to 4, 6 or 12
between 3 and 8	even
greater than 9	odd or even
less than 8	between 8 and 14

