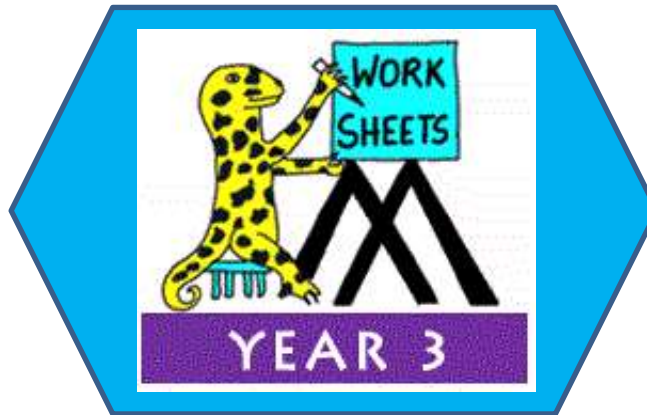


MATH SALAMANDERS YEAR 3

MATHS GRAB PACK 4 ANSWERS



Here are answers to the worksheets in Year 3 Maths Grab Pack 4.

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	Row of Coins Challenge 2	10	Mental Math Quiz 3:A4
5	Addition Facts – Adding 3 Digits	11	Classify It Game #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>

COUNTING ON AND BACK BY 1S & 10S

SHEET 1 ANSWERS

1) Count on by ones

65	<u>66</u>	67	68	<u>69</u>	<u>70</u>	71	<u>72</u>
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2) Count on by tens

29	<u>39</u>	49	<u>59</u>	69	<u>79</u>	<u>89</u>	99
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3) Count back by ones

52	<u>51</u>	<u>50</u>	49	48	<u>47</u>	<u>46</u>	45
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4) Count back by tens

86	<u>76</u>	66	56	<u>46</u>	<u>36</u>	26	<u>16</u>
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5) Count on by tens

<u>4</u>	14	<u>24</u>	34	44	<u>54</u>	<u>64</u>	74
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6) Count back by ones

<u>44</u>	43	<u>42</u>	41	<u>40</u>	<u>39</u>	38	<u>37</u>
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7) Count on by ones

<u>89</u>	<u>90</u>	91	<u>92</u>	<u>93</u>	94	95	<u>96</u>
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8) Count back by tens

<u>88</u>	78	<u>68</u>	58	<u>48</u>	38	<u>28</u>	<u>18</u>
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READING, WRITING AND COMPARING 3 DIGIT NUMBERS SHEET 1 ANSWERS

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.	951
A number smaller than 100.	95
A number between 300 and 400.	328
A number that has 6 tens.	162
A number that has 5 ones.	755 or 95
A number that has 6 hundreds.	680 or 616
A number that has 2 digits the same.	616 or 755
A number with no tens.	204



NEWTON'S NUMBER TRACK PUZZLE 2 ANSWERS

Fill in the missing numbers in these number tracks.

1)

4	5	9	14	23
---	---	---	----	----

2)

9	2	11	13	24
---	---	----	----	----

3)

3	6	9	15	24
---	---	---	----	----

4)

8	5	13	18	31
---	---	----	----	----

5)

4	7	11	18	29
---	---	----	----	----

6)

5	6	11	17	28
---	---	----	----	----

7)

11	4	15	19	34
----	---	----	----	----

8)

3	6	9	15	24
---	---	---	----	----

9)

5	7	12	19	31
---	---	----	----	----

10)

6	3	9	12	21
---	---	---	----	----



ROW OF COINS CHALLENGES 2 ANSWERS

CHALLENGE A ANSWER



CHALLENGE B ANSWER



ADDITION FACTS ADDING 3 DIGITS SHEET 2 ANSWERS

- | | | | |
|--------------------|-----------|--------------------|-----------|
| 1) $7 + 6 + 2 = $ | <u>15</u> | 16) $4 + 4 + 8 = $ | <u>16</u> |
| 2) $4 + 5 + 3 = $ | <u>12</u> | 17) $7 + 3 + 8 = $ | <u>18</u> |
| 3) $5 + 8 + 4 = $ | <u>17</u> | 18) $9 + 4 + 6 = $ | <u>19</u> |
| 4) $9 + 2 + 3 = $ | <u>14</u> | 19) $5 + 6 + 7 = $ | <u>18</u> |
| 5) $6 + 7 + 4 = $ | <u>17</u> | 20) $8 + 5 + 9 = $ | <u>22</u> |
| 6) $2 + 9 + 8 = $ | <u>19</u> | 21) $4 + 8 + 6 = $ | <u>18</u> |
| 7) $4 + 7 + 5 = $ | <u>16</u> | 22) $9 + 4 + 8 = $ | <u>21</u> |
| 8) $6 + 6 + 4 = $ | <u>16</u> | 23) $6 + 7 + 6 = $ | <u>19</u> |
| 9) $8 + 5 + 2 = $ | <u>15</u> | 24) $8 + 9 + 5 = $ | <u>22</u> |
| 10) $4 + 8 + 4 = $ | <u>16</u> | 25) $5 + 9 + 9 = $ | <u>23</u> |
| 11) $5 + 3 + 9 = $ | <u>17</u> | 26) $7 + 5 + 8 = $ | <u>20</u> |
| 12) $1 + 7 + 8 = $ | <u>16</u> | 27) $8 + 9 + 7 = $ | <u>24</u> |
| 13) $7 + 8 + 5 = $ | <u>20</u> | 28) $4 + 6 + 9 = $ | <u>19</u> |
| 14) $3 + 8 + 6 = $ | <u>17</u> | 29) $9 + 5 + 7 = $ | <u>21</u> |
| 15) $5 + 9 + 4 = $ | <u>18</u> | 30) $9 + 8 + 9 = $ | <u>26</u> |

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

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

Possible answers: $0+2+12$ $0+4+10$ $0+6+8$ $2+4+8$

(or the same numbers in a different order)



FIND THE 2 DIGITS! SHEET 2 ANSWERS

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.

The 2-digit numbers he could have made are:

37 46 55 64 73 82 91

However, you can't make 55 from one pack of digit cards (as there is only one 5), so extra points for spotting that!

PROBLEM SOLVING: FASTEST INSECTS STANDARD ANSWERS

Insect	Speed miles per hour (mph)	Nearest 10 mph	Order of speed
Bumblebee	18	20	5
Deer Bot Fly	27	30	3
Dragonfly	40	40	1
Hawkmoth	34	30	2
Hornet	21	20	4
Monarch butterfly	16	20	6

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.

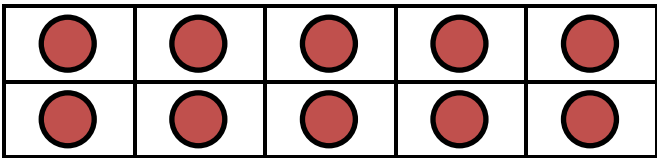
4) How much faster is the dragonfly than the hawkmoth? **6 mph**

5) How much slower is the monarch than the bumblebee? **2 mph**

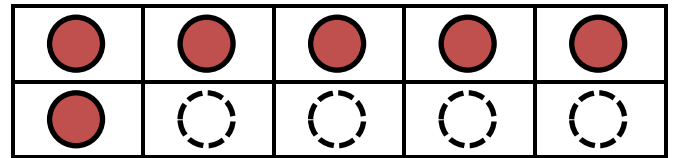
6) How much faster is a deer bot fly than a hornet? **6 mph**

7) How many miles could a hornet fly in 2 hours? **42 miles**

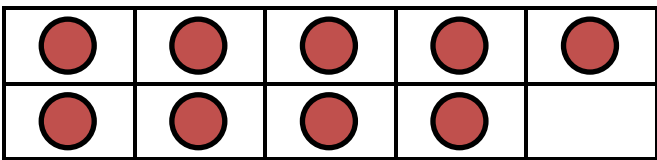
NUMBER BONDS TO 20 SHEET 3 ANSWERS



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



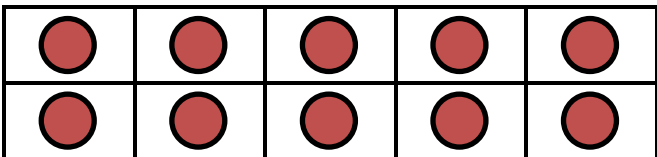
$20 - 16 = 4 \quad 20 - 4 = 16$



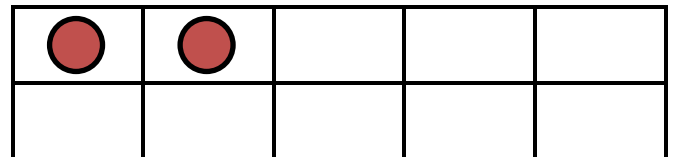
$9 + 11 = 20 \quad 11 + 9 = 20$



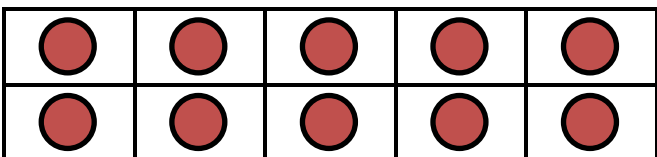
$20 - 9 = 11 \quad 20 - 11 = 9$



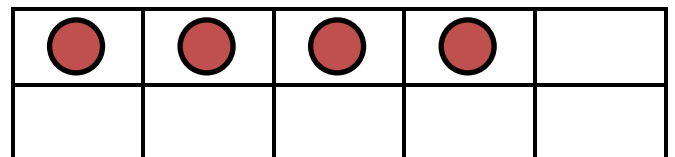
$12 + 8 = 20 \quad 8 + 12 = 20$



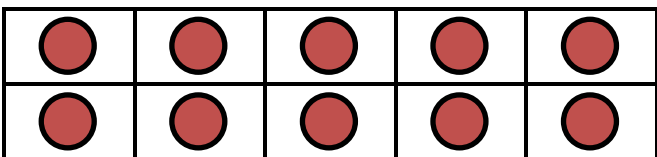
$20 - 12 = 8 \quad 20 - 8 = 12$



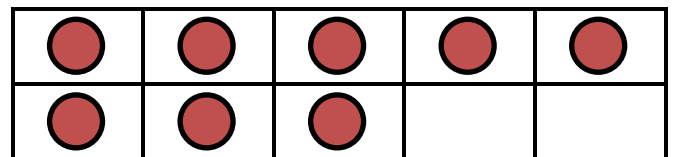
$14 + 6 = 20 \quad 6 + 14 = 20$



$20 - 14 = 6 \quad 20 - 6 = 14$



$18 + 2 = 20 \quad 2 + 18 = 20$



$20 - 18 = 2 \quad 20 - 2 = 18$



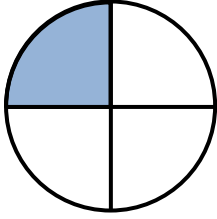
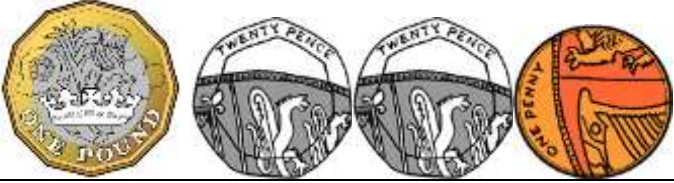
EASTER COLOUR BY NUMBER: CHICK ADDITION TO 20 COMPLETED

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 MATHS SHEET 3:A4 ANSWERS

1)	2×6	12
2)	How many more is 18 than 13?	5
3)	20 subtract 11	9
4)	$80 + \underline{\quad} = 86$	6
5)	What fraction is shaded? 	$\frac{1}{4}$ (one-quarter)
6)	How many FIVES make 30p?	6
7)	What is the next number? 89, 87, 85, 83, 81, <u> </u>	79
8)	How many socks in 6 pairs?	12
9)	$5 + 7 = 10 + \underline{\quad}$	2
10)	Double 14	28
11)	$4 + 4 + 4 + 4 + 4 = 4 \times \underline{\quad}$	5
12)	Flame has 9 chocolates which she shares between her 3 friends. How many do they each get?	3
13)	What number is 10 more than 32?	42
14)	How much money? 	£1.41
15)	How many mm in 8cm?	80
16)	How many wheels on 3 cars?	12