

Year 1 – Activity 1

Can you practise your addition and subtraction up to 10?

What you will need:

- 2 dice (0-10)
- Dice with + and on
- The grid below

How to play:

- Roll the dice and write the numbers in the number rolled columns.
- Roll the add or subtract dice and write the symbol (+ or -).
- Work out the answer.

	First number rolled	Add (+) or subtract (-)	Second number rolled	Equals	Answer
1.				=	
2.				=	
3.				=	
4.				=	
5.				=	
6.				=	
7.				=	
8.				=	_
9.				=	
10.				=	

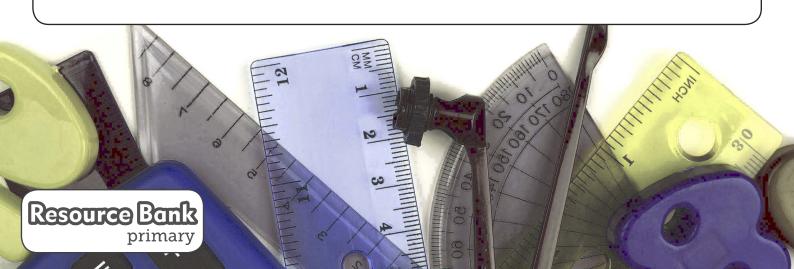


Year 1 – Activity 1

Can you practise your addition and subtraction up to 20?

Find the missing number in each problem using your addition and subtraction skills.

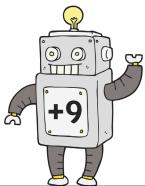
8	+		=	10
9	+		=	10
	+	11	=	14
	+	15	=	20
8	+		=	16
20	=		+	11
14	=	7	+	
	=	19	+	1
12	=		+	9
15	=		+	5
9	-	2	=	
7	-	3	=	
12	-		=	8
	-	9	=	11
15	-	5	=	
20	=	20	-	
	=	10	-	9
	=	9	-	4
11	=		-	3
12	=		-	5



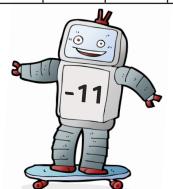
Year 2 – Activity 1

Can you use the function box to work out the answers?

Look at the robot and the 'rule'. Can you work out what the answers will be if you put different numbers in the robot? What answer will come out?



ln	9	21	35	18	1	23	17	41	2	13
Out	18									



ln	22	50	35	16	33	21	44	19	11	46
Out	11									



Year 2 – Activity 2

Can you use related addition and subtraction facts up to 100?

Look at the two tables below. What do you notice?

3	+	7	=	10
10	-	7	=	3
7	=	10	-	3
3	=	10	-	7

30	+	70	=	100
100	-	70	=	30
70	=	100	-	30
30	=	100	-	70

Now complete the following tables. How quickly can you solve these? What do you notice about the patterns?

2	+		=	10
10	1	2	=	
8	=	10	-	
2	=		-	8

20	+		=	100
100	1	20	=	
80	=	100	-	
20	=		-	80

50	+		=	100
50	=	100	-	
100	-		=	50
0	=		-	

5	+		=	10
5	=	10	-	
10	-		=	5
0	=		-	

40	+		=	100
4	+		Ш	10
100	-	40	=	
10	-	4	=	

60	=		-	40
6	=		ı	4
40	=	100	-	
4	=	10	-	



Year 3 – Activity 1

Can you make totals as near to 100 as possible?

What you will need:

• 3 dice (0-9)

How to play:

- Throw all three dice, or if you only have one dice, roll it three times.
- Put the numbers together to make a 3-digit number. For example, if you roll 4, 2 and 0, you could make 420 or 402. Think about the order carefully. Can you have 042 or 024?
- Now roll two more times, and put the numbers together to make a 2-digit number.
- Now you need to decide whether to add the numbers together or subtract them. The aim is to get an answer as close to 100 as possible.
- Can you make 100 exactly using your addition and subtraction skills?

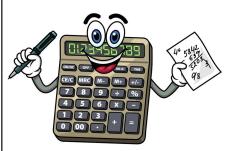
3-digit number created	2-digit number created	Addition or subtraction	Total



Year 3 – Activity 2

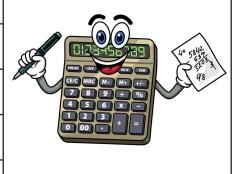
Can you use your addition and subtraction skills to complete the grids?

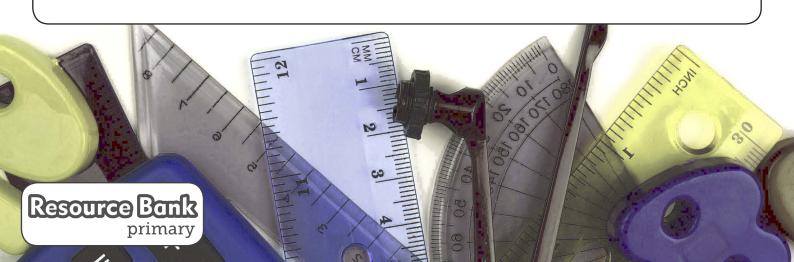
How quickly can you complete the grids using your addition and subtraction skills? Can you get quicker? (The first one has been done for you.)



+	18	51	43	65	27
29	47				
31					
100					
55					
71					

-	100	85	61	49	35
19	81				
21					
9					
35					
27					

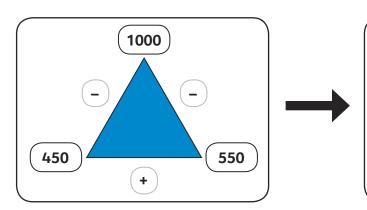




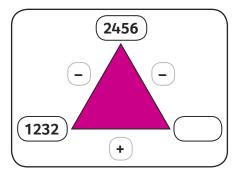
Year 4 – Activity 1

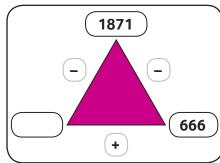
Can you use inverses to solve addition and subtraction problems?

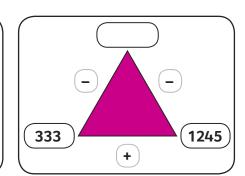
Look at the example and then find the missing numbers in the triangles below.

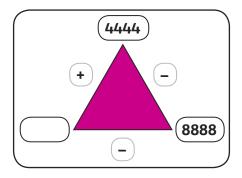


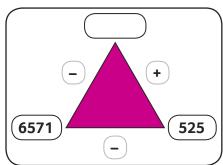
(·
	1000 – 450 = 550	450 = 1000 - 550
	1000 – 550 = 450	550 = 1000 – 450
	450 + 550 = 1000	1000 = 450 + 550
	550 + 450 = 1000	1000 = 550 + 450
١.		

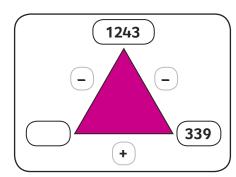










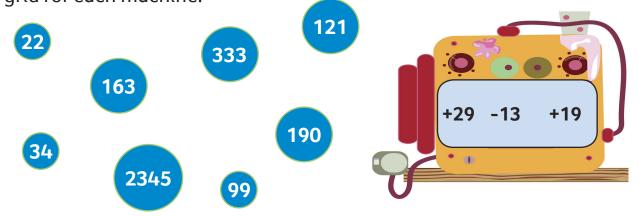




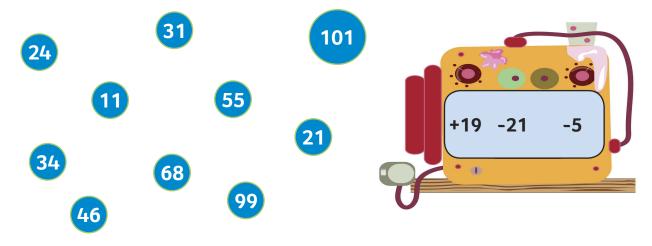
Year 4 – Activity 2

Can you use your addition and subtraction skills to solve these function machines?

If these numbers go into the function machine, what will come out? Fill in the grid for each machine.



ln	22	163	333	190	34	99	121	2345	2	13
Out										



ln	24	34	31	99	101	55	68	21	11	46
Out										



Year 5 – Activity 1

Can you solve Roman numeral calculations?

$$I = 1$$

$$X = 10$$

$$XX = 20$$
 $XL = 40$ $L = 50$ $LX = 60$

$$XL = 40$$

$$L = 50$$

$$LX = 60$$

$$LXX = 70$$

$$XC = 90$$

$$D = 500$$

1.
$$CXXI + XXVI =$$
 5. $LXXI + LIV =$

2.
$$XXXVIII + LV =$$
 6. $CCXXV + XXXV =$

$$6. CCXXV + XXXV =$$

3.
$$LXV + XXXI =$$

$$7.XXII + XIX =$$

$$8. XCII + XXXV =$$

Now add all the Roman numerals in the grid. Try to come up with totals for each column and row.

ΧI	IX	VIII	IV	ı	v	
XL	L	xx	XXX	IV	VI	
XVI	XVII	XIX	XXIX	XXVIII	XVIII	
XXXI	xxv	XXXVI	XXVI	CXII	LX	
LXXV	х	DCLX	LXX	xxv	XLV	
VII	XLV	XXI	СС	11	MCD	
СМ	CDLX	D	ммм	DD	СХ	
С	М	хс	СС	CD	ММ	



Year 5 – Activity 2

Can you make totals as near to 1000 as possible?

What you will need:

• 5 dice (0-9)

How to play:

- Throw all five dice, or if you only have one dice, roll it five times.
- Put the numbers together to make a 5-digit number. For example, if you roll 1, 0, 5, 5 and 0, you could make 10,550 or 51,050. Think about the order carefully. Can you have 00155 or 01055?
- Now roll two or three more times, and put the numbers together to make a 2-digit or 3-digit number.
- Now you need to decide whether to add the numbers together or subtract them. The aim is to get an answer as close to 1000 as possible.
- Can you make 1000 exactly using your addition and subtraction skills?

5-digit number created	2-digit or 3-digit number created	Addition or subtraction	Total



Year 6 – Activity 1

Can you solve decimal calculations using addition and subtraction?

How quickly can you solve these decimal calculations?

Part A	Part B	Part C
1) 5.2 + 4.5 =	1) 3.33 + 4.44 =	1) 3.33 + 3.3 =
2) 8.1 + 4.3 =	2) 15.55 – 11.43 =	2) 45.4 + 34.45 =
3) 37.5 - 5.5 =	3) 23.44 + 55.91 =	3) 16.34 – 11.04 =
4) 12.6 + 14.3 =	4) 24.34 – 12.33 =	4) 234.04 – 233.4 =
5) 25.7 + 34.6 =	5) 45.66 + 45.66 =	5) 2345.56 + 23.4 =
6) 56.9 - 34.9 =	6) 234.55 – 123.66 =	6) 99.99 + 99.909 =
7) 123.9 + 234.5 =	7) 444.55 – 443.65 =	7) 1234.56 – 123.6 =
8) 234.5 + 333.3 =	8) 4567.34 + 456.33 =	8) 345.456 – 34.34 =
9) 455.6 + 777.7 =	9) 2345.33 + 1234.66 =	9) 1.234 – 1.023 =
10) 4567.8 - 2345.7 =	10) 2345.12 – 232.33=	10) 303.03 – 33.30 =



Year 6 – Activity 2

Can you use all four operations to reach a given total?

What you will need:

- Dice (0-9)
- Pencil and paper
- Timer

How to play:

- Roll the 0-9 dice to create your first 1-digit number. Repeat two more times to get three different 1-digit numbers.
- Roll the 0-9 dice twice to create a 2-digit number. Repeat once more to get two different 2-digit numbers, e.g. 50.
- Roll the 0-9 dice three times to create a 3-digit number, e.g. 125.
- Roll the dice four times to create your 4-digit TARGET number. This is the total you need to try and get to. (Can you get it exactly?)
- Set the timer for five minutes.
- Try to achieve the TARGET number using all four operations, x + and \div . You can use each number once and once only.
- The winner is the one who achieves the target number or is the closest.

How to score:

- 10 points for hitting the target number.
- 9 points for being 1 away, 8 for being 2 away etc.

