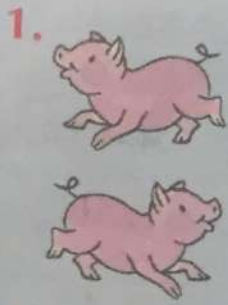# Problem solving + and −

1. A farmer had 44 pigs.
She bought 35 more.
She then sold 26.
How many pigs had
she then?

$$(44 + 35) - 26 = 53$$

$$\begin{array}{r} 44 \\ + 35 \\ \hline \end{array} \qquad \begin{array}{r} -26 \\ \hline 53 \end{array}$$

2. There were 33 children in
the school hall. 54 more
children came in but 42
children left.
How many children were
in the hall then?

$$(33 + 54) - 42 = 45$$

$$\begin{array}{r} tu \\ 33 \\ +54 \\ \hline 87 \end{array} \qquad \begin{array}{r} 87 \\ -42 \\ \hline 45 \end{array}$$

3. Ann had 46 chestnuts.
She collected 32 more.
She then gave 25 chestnuts
to Bill. How many chestnuts
had she left then?

$$(46 + 32) - 25 = 53$$

$$\begin{array}{r} 46 \\ +32 \\ \hline 78 \end{array} \qquad \begin{array}{r} 78 \\ -25 \\ \hline 53 \end{array}$$

4. A baker baked 39 buns.
He then baked 57 more buns.
If he then sold 43 buns,
how many buns had
he left?

$$(39 + 57) - 43 = 53$$

$$\begin{array}{r} 39 \\ + 57 \\ \hline 96 \end{array} \qquad \begin{array}{r} 96 \\ - 43 \\ \hline 53 \end{array}$$

5. Mary had 58 stamps.
She lost 25 of them.
She then bought 37 more.
How many stamps had
she then?

$$(58 - 25) + 37 = 70$$

$$\begin{array}{r} 58 \\ - 25 \\ \hline 33 \end{array} \qquad \begin{array}{r} 33 \\ + 37 \\ \hline 70 \end{array}$$

Problem solving + and −

1. John had 36 sweets. He bought 27 more. How many sweets had he altogether then?

t	u
3	6
+ 2	7
6	3

2. Mary bought 47 stamps. She gave 21 of them to Michael. How many stamps had she left?

t	u
4	7
2	1
2	6

3. Neasa sold 23 apples on Monday, 31 on Tuesday and 14 on Wednesday. How many apples did she sell altogether on the three days?

t	u
2	3
3	1
+ 1	4
6	8

4. A shopkeeper sold 17 cans of cola, 34 cans of orange and 25 cans of lemonade. How many cans altogether did she sell?

t	u
1	7
3	4
+ 2	5
7	6

5. Sarah had 40 teddybears. Her friends gave her 18 for her birthday. She then gave 22 to the hospital for sick children. How many had she left?

$$(40 + 18) - 22 = 36$$

```
   40          58
 + 18        - 22
 ____        ____
   58          36
```

6. At Sarah's birthday party Mam hung up 28 balloons. Daddy hung up 37 balloons. If 14 of the balloons burst, how many were left?
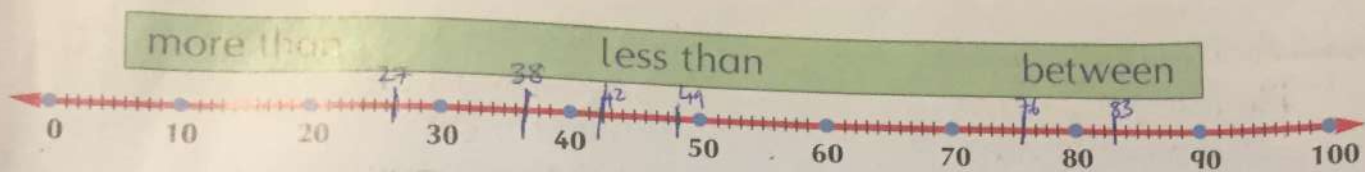
$$(28 + 37) - 14 = 51$$

```
   28          65
 + 37        - 14
 ____        ____
   65          51
```

7. The farmer had 57 eggs. He sold 32 of them. He then collected 46 more eggs. How many eggs had he then.

$$(57 - 32) + 46 = 71$$

```
   57          25
 - 32        + 46
 ____        ____
   25          71
```

Rounding

more than   less than   between

0   10   20   30   40   50   60   70   80   90   100

(number line with markings: 27, 38, 42, 49, 76, 83)

Find 17 on the number line.

17 is more than **10** .

17 is less than **20** .

17 is between **10** and **20** .

Complete each sentence.

1. (38) is more than **30** .

38 is less than **40** .

38 is between **30** and **40** .

2. 27 is _more_ _than_ **20** .

27 is _less_ _than_ **30** .

27 is _between_ **20** and **30** .

3. 42 is _more_ _than_ **40** .

42 is _less_ _than_ **50** .

42 is _between_ **40** and **50** .

4. 76 is _more_ _than_ **70** .

76 is _less_ _than_ **80** .

76 is _between_ **70** and **80** .

5. 49 is _more_ _than_ **40** .

49 is _less_ _than_ **50** .

49 is _between_ **40** and **50** .

6. 83 is _more_ _than_ **80** .

83 is _less_ _than_ **90** .

83 is _between_ **80** and **90** .

Strand Unit: *Counting and numeration:* estimate using rounding strategies

Roun

less than   100

0   20   30   40   50   60   70
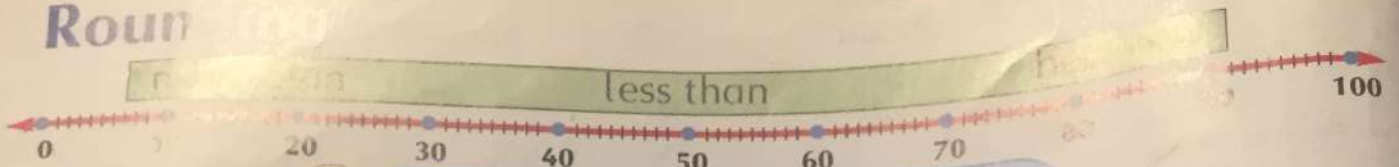
Find 43 on the number line.

43 is more than [40].

43 is less than [50].

43 is between [40] and [50].

43 is nearer to [40].

43 **rounds to** [40].

Complete each sentence.

1. 78 is between [70] and [80].

   78 is nearer to [80].

   78 rounds to [80].

2. 54 is between [50] and [60].

   54 is nearer to [50].

   54 rounds to [50].

3. 88 is between [80] and [90].

   88 is nearer to [90].

   88 rounds to [90].

4. 46 is between [40] and [50].

   46 is nearer to [50].

   46 rounds to [50].

5. 32 is between [30] and [40].

   32 is nearer to [30].

   32 rounds to [30].

6. 97 is between [90] and [100].

   97 is nearer to [100].

   97 rounds to [100].

7. **What number is half way between each of these?**

0 and 10 [5]   20 and 30 [25]   40 and 50 [45]   70 and 80 [75]

Estimate and add

Round each number to the nearest 10.

Estimate your answer first. Then find the correct answer to the sum.
Compare the answer with your estimate.

	a		b		c	
1.	45 rounds to [50]	36 rounds to [40]	68 → [70]
	+ 29 rounds to [30]	+ 25 rounds to [30]	+ 15 → [20]
	74	80	61	70	83	90
2.	33 → [30]	62 → [60]	47 → [50]
	+ 48 → [50]	+ 19 → [20]	+ 35 → [40]
	81	80	81	80	82	90
3.	11 → [10]	35 → [40]	54 → [50]
	+ 48 → [50]	+ 29 → [30]	+ 27 → [30]
	59	60	64	70	81	80
4.	52 → [50]	37 → [40]	64 → [60]
	+ 18 → [20]	+ 15 → [20]	+ 17 → [20]
	70	70	52	60	81	80

Estimate and subtract

Round each number to the nearest 10.

Estimate your answer.

Find the correct answer to the sum.

Compare the answer with your estimate.

	a		**b**		**c**	
1.	29 rounds to 30		57 rounds to 60		96 →	100
	− 18 rounds to 20		− 13 rounds to 10		− 35 →	40
	11	10	44	50	61	60
2.	89 →	90	68 →	70	78 →	80
	− 45 →	50	− 26 →	30	− 42 →	40
	44	40	42	40	36	40
3.	98 →	100	89 →	90	75 →	80
	− 34 →	30	− 31 →	30	− 23 →	20
	64	70	58	60	52	60
4.	85 →	50	37 →	40	67 →	70
	− 42 →	40	− 15 →	20	− 14 →	10
	43	50	22	20	53	60