

1.

40 children are members of a cycling club. Details of their bikes are given below. Each child has one bike.

	<i>Mountain Bike</i>	<i>Racing Bike</i>	<i>BMX Bike</i>
15-speed	2	0	0
12-speed	8		0
10-speed	1	8	0
1-speed	0	0	15

- How many children have 12-speed racing bikes?
- How many children have mountain bikes?
- Which type of bike is most popular?

2.

The headteacher of a school with 484 pupils collected information about how many of the pupils wear glasses.

	<i>Always wear glasses</i>	<i>Sometimes wear glasses</i>	<i>Never wear glasses</i>
Boys	40		161
Girls	36	55	144

- Explain how to find the number of boys who *sometimes* wear glasses.
- How many of the pupils wear glasses some of the time?
- How many of the pupils *never* wear glasses?
- Are there more boys or girls in the school?

3.

During one month, exactly half of the 180 babies born in a hospital were boys, and 40 of the babies weighed 4 kg or more. There were 26 baby boys who weighed 4 kg or more.

	<i>Less than 4 kg</i>	<i>4 kg or more</i>
Boys		
Girls		

- (a) Copy and complete the table above.
- (b) How many baby girls weighed less than 4 kg when they were born?

4.

In a school survey pupils chose the TV programme they liked best from a list. Some of the results are given in the table.

	<i>Blue Peter</i>	<i>Grange Hill</i>	<i>Newsround</i>
Year 7	8		1
Year 8	12	5	

The same number of pupils took part from Year 7 and Year 8. Six pupils chose Newsround. Copy and complete the table and state which programme was the most popular.

5.

In a car showroom there are 8 blue cars, one of which is a hatchback. If 6 of the 20 cars in the showroom are hatchbacks, find how many cars are not hatchbacks and are not blue.

6.

In a class of 32 pupils, there were 8 girls who played hockey and 5 boys who did not. Find how many boys played hockey if there were 15 girls in the class.

7.

Perform the calculations. What problem would you put in the last column?

$\begin{array}{r} \overset{\bullet}{3}0 \\ - 21 \\ \hline 9 \end{array}$	$-$	$\begin{array}{r} 40 \\ - 22 \\ \hline \end{array}$	$-$	$\begin{array}{r} 50 \\ - 23 \\ \hline \end{array}$	$-$	$\begin{array}{r} 60 \\ - 24 \\ \hline \end{array}$	$-$	$\begin{array}{r} 70 \\ - 25 \\ \hline \end{array}$	$-$	$\begin{array}{r} 80 \\ - 26 \\ \hline \end{array}$	$-$	$\begin{array}{r} \\ \\ \hline \end{array}$
---	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--

8.

$\begin{array}{r} + 325 \\ 289 \\ \hline \end{array}$	$326 + 289 =$ $325 + 290 =$	$326 + 288 =$ $425 + 289 =$
$\begin{array}{r} - 800 \\ 526 \\ \hline \end{array}$	$801 - 526 =$ $800 - 527 =$	$801 - 527 =$ $900 - 527 =$

9.

Thomas is 74 cm tall. His mother is 90 cm taller than him but 18 cm shorter than Thomas' father. How tall is Thomas' father?

10

Roy, Clare and Jenny collected a total of 360 used books in a donation drive. Roy collected 139 books and Clare collected 45 more books than Roy. How many books did Jenny collect?

11.

100 students took part in the fun race. 50 of them hopped, 30 – skipped, 20 – hopped and skipped. How many people did neither one of the above?

12

Each shape stands for a number.

$$\star + \square + \bigcirc = 1000$$

$$\star + \square = 364$$

$$\star + \bigcirc = 758$$

$$\star = \underline{\hspace{2cm}}$$