

Name _____

Date _____ Per _____ A# _____

Practicing Two-Way Tables

Question 1

People leaving a football match were asked if they supported Manchester United or Newcastle. They were also asked if they were happy. The table to the right gives the results.

	Manchester United	Newcastle
Happy	40	8
Not Happy	2	20

- How many Manchester United supporters were happy?
- How many Newcastle supporters were asked the questions?
- How many Manchester United supporters were not happy?
- How many people were asked the questions in total?

Question 2

The children in a class conducted a survey to find out how many children had videos at home and how many had computers at home. Their results are given in the table at right.

	Video	No Video
Computer	8	2
No Computer	20	3

- How many children did *not* have a video at home?
- How many children had a computer at home?
- How many children had *neither* item at home?
- How many children were in the class?

Question 3

The children in a school are to have extra swimming lessons if they cannot swim. The table to the right gives information about the children in Years 7, 8 and 9.

	Can swim	Can't swim
Year 7	120	60
Year 8	168	11
Year 9	172	3

- How many children need swimming lessons?
- How many children are there in Year 8?
- How many of the Year 7 children *can not* swim?
- How many children in Years 7 and 8 *can* swim?

Question 4

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

	Always wears glasses	Sometimes wears glasses	Never wears glasses
Boys	40		161
Girls	36	55	144

a) Fill in the number of boys who sometimes wear glasses.

b) How many pupils wear glasses some of the time?

c) How many pupils *never* wear glasses?

d) Are there more boys or girls in the school?

Question 6

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.

	Less than 4kg	4kg or more
Boys		
Girls		

Complete the table on the left, using the information above.

For these last two questions, you will need to set-up and draw your own two-way table. Then fill in the blanks using the information provided.

Question 7

In a car showroom there are 8 blue cars, one of which is a hatchback. Six of the 20 cars in the showroom are hatchbacks.

How many cars are *not* hatchbacks and are *not* blue?

Question 8

In a class of 32 pupils, there were 8 girls who played hockey and 5 boys who did not.

How many boys played hockey if there were 15 girls in the class?
