Visuteach Essex CSSE 11 Plus Maths Sample Questions

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1.

There is an error in each of the following calculations. The error can be corrected by changing one digit **to the number 9**.

(a) 63 - 25 = 44

Which digit needs to be replaced with 9?

(b) 46 + 59 + 73 = 184

Which digit needs to be replaced with 9?
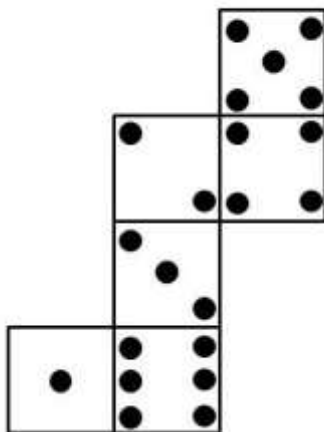
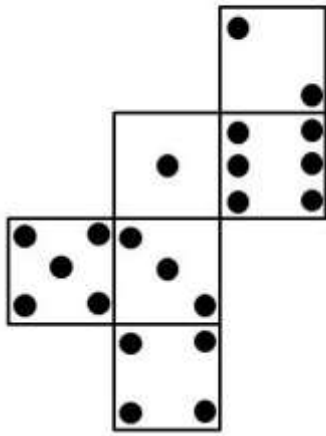(c) 567 + (4 x 38) = 723

Which digit needs to be replaced with 9?

2.

The diagrams below show the nets of different unfolded dice. On each part of the question, indicate how many dots would appear on the face *opposite* the 2 (i.e. opposite the 2 dots)
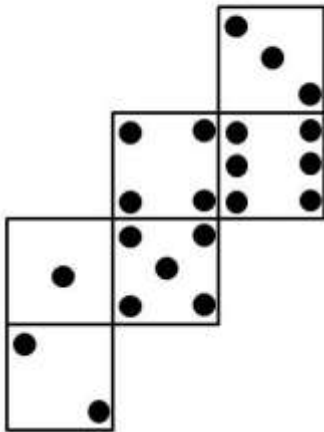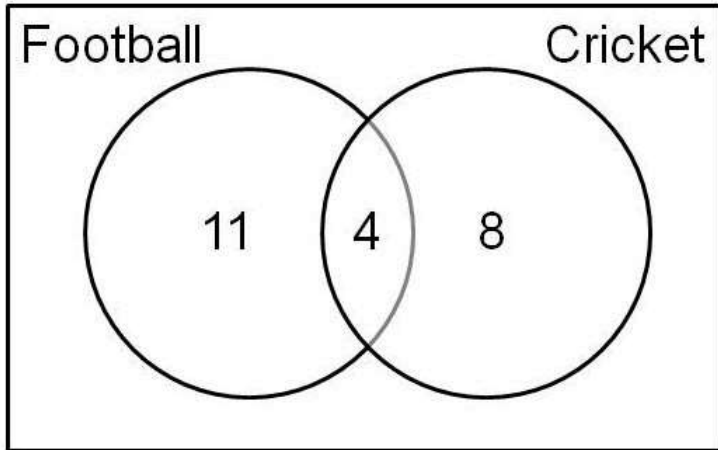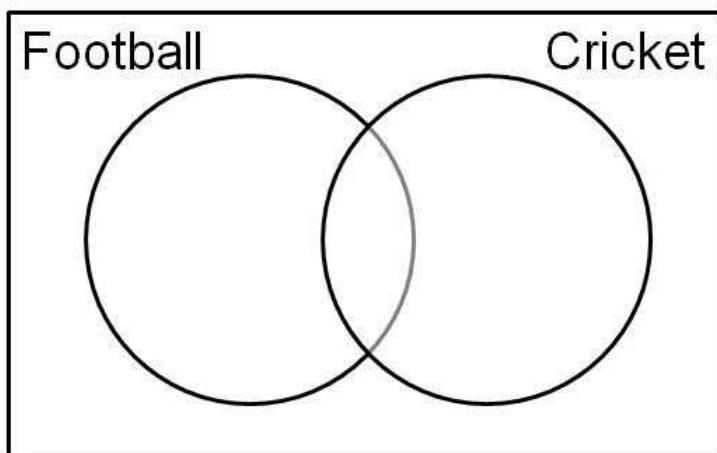
a)

b)

c)

3.

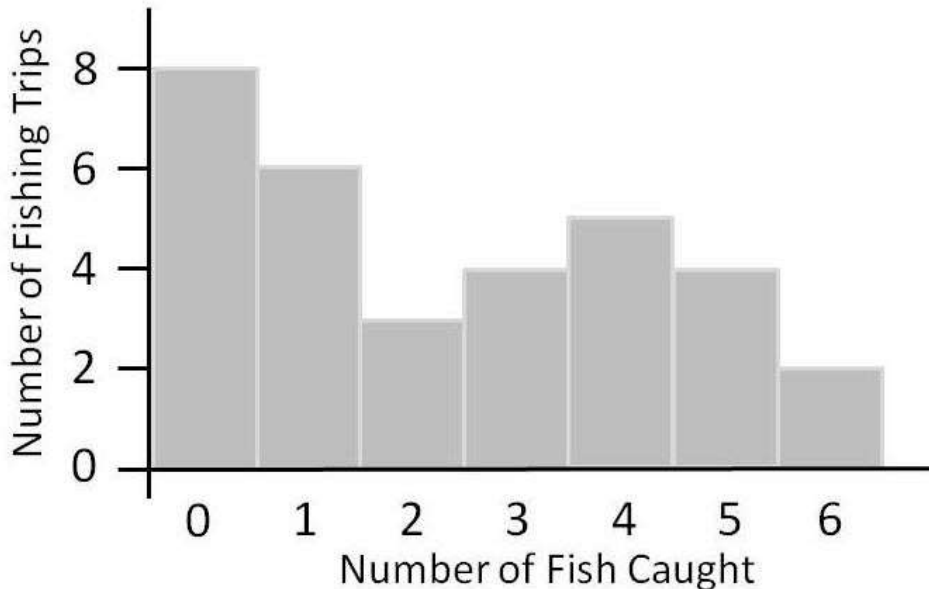A class of thirty pupils were asked which sports teams they played in. The results are shown in the Venn diagram.

(a) How many pupils played football?

(b) How many pupils played neither sport?

(c) How many pupils played just one sport?

(d) A class of 40 pupils were asked the same questions.

12 played neither sport, 18 played football and 14 played cricket.

Complete the Venn diagram below to show this information.

4.

The bar chart shows the number of fish caught by Neil on fishing trips over the last 4 year

(a) On how many trips did Neil catch 4 fish?

(b) On how many trips did he catch more than 2 fish?

(c) How many trips did he go on over the past 4 years?

(d) What was the average (mean) number of trips per year?

5.

In this question, letters of the alphabet are assigned number values:

A = 1, B = 2, C = 3, D = 4, E = 5, ...

The **product value** of a word is created by **multiplying** the value of the letters e.g. the product value of ACE = 1 x 3 x 5 = 15

(a) What is the product value of the word PER?

(b) List the following words in order of their product value, starting with the lowest:

TAX   TOIL   HOLD   ISLE

(c) Which three letter English word can be added to the word below so that the sum of their product values is equal to 413?

BAN + ...