



## Numeracy Entry Sample Test Section 1 – Number and Data Handling

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Put the letter corresponding to your answer in the space provided. Write your choice of answer clearly. If you change your mind, cross out the incorrect answer clearly and insert the correct answer.

Use the space allocated for the question for working. Scrap paper for additional working may be used.

You may not use a calculator.

Name \_\_\_\_\_

Date \_\_\_\_\_

Mark awarded out of 15 \_\_\_\_\_

The above text will be on the front page of the real test which has 15 questions in this section. This sample has **five** questions typical of those to be found in this section.

Topics you should study for this section include:

Comparing fractions;

Finding a percentage reduction or increase;

Using proportional reasoning to increase or decrease quantities;

Properties of numbers such as prime numbers, multiples, factors, square numbers, powers and negative numbers;

Finding the mean, median and mode of a set of data;

Constructing pie charts;

Simple probabilities based upon dice, cards etc.;

Venn diagrams.

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1 Which of these fractions is closest in value to one third?

a)  $\frac{5}{12}$

b)  $\frac{7}{18}$

c)  $\frac{21}{60}$

d)  $\frac{31}{90}$

answer \_\_\_\_\_

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2 A prime number has exactly 2 factors. Which of these is a prime number?

a) 123

b) 119

c) 129

d) 127

answer \_\_\_\_\_

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3 When  $4^3$  is added to  $3^4$  the result is:

a) 77

b) 145

c) 24

d) 91

answer \_\_\_\_\_

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4 In a class of 24 pupils, 10 travel to school by car. To represent this data on a pie chart, the angle needed in the slice of pie is:

a)  $150^\circ$

b)  $15^\circ$

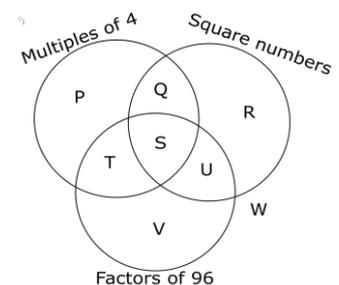
c)  $100^\circ$

d)  $135^\circ$

answer \_\_\_\_\_

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5 In the Venn Diagram on the right numbers can be placed in one of the eight regions, P, Q, R, S, T, U, V or W, according to the properties of the number.



The number 36 is to be placed in region:

a) Q

b) R

c) S

d) T

answer \_\_\_\_\_

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