FRACTIONS-SET-1

1

1 Calculate

$$\frac{5^2}{2^5}$$

(a) giving your answer as a fraction,

Answer (a) ..... [1]

(b) giving your answer as a decimal.

Answer (b) ..... [1]

2

Without using your calculator, work out the following.
Show all the steps of your working and give each answer as a fraction in its simplest form.

(a) $\frac{11}{12} - \frac{1}{3}$

Answer(a) ..... [2]

(b) $\frac{1}{4} \div \frac{11}{13}$

Answer(b) ..... [2]

3	**Without using a calculator**, work out $1\frac{4}{5} \div \frac{3}{7}$. Show all your working and give your answer as a fraction in its lowest terms. *Answer* ..... [3]

4	Without using a calculator, work out $\frac{4}{5} \div 2\frac{2}{3}$. Write down all the steps of your working and give your answer as a fraction in its simplest form. *Answer* ..... [3]
5	**Without using a calculator**, work out $1\frac{7}{8} \div \frac{5}{9}$. Show all your working and give your answer as a fraction in its lowest terms. *Answer* ..... [3]

6	**Without using a calculator**, work out $\frac{6}{7} \div 1\frac{2}{3}$. Show all your working and give your answer as a fraction in its lowest terms. ..... [3]

7	**Without using a calculator**, work out $\frac{1}{12} \times 1\frac{1}{5}$. Show all your working and give your answer as a fraction in its lowest terms. ..... [2]
8	**Without using a calculator**, work out $\frac{5}{6} - \frac{1}{2}$. Show all the steps of your working and give your answer as a fraction in its simplest form. ..... [2]

9	**Without using your calculator**, work out $\frac{11}{12}-\left(\frac{3}{4}-\frac{2}{3}\right)$. You must show all your working and give your answer as a fraction in its simplest form. ..... [4]
10	**Without using your calculator**, work out $1\frac{3}{4}\times\frac{6}{35}$. You must show all your working and give your answer as a fraction in its simplest form. ..... [3]

11	**Without using your calculator**, work out $\frac{2}{3} - \frac{1}{12}$. You must show all your working and give your answer as a fraction in its simplest form. ..... [2]