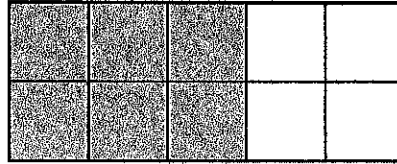


1. (a) What fraction of this shape is shaded?  
Give your answer in its simplest form.



Answer  $\frac{6}{10} = \frac{3}{5}$ .....

(2)

- (b) Find  $\frac{7}{10}$  of £50

$$50 \div 10 \times 7 = 35$$

Answer £ ..... 35 .....

(2)

- (c) Work out  $\frac{1}{2} + \frac{1}{5}$

$$= \frac{5}{10} + \frac{2}{10} = \frac{7}{10}$$

Answer .....  $\frac{7}{10}$  .....

(2)

(Total 6 marks)

2. (a) Work out  $\frac{3}{7} \times 28$

$$= 28 \div 7 \times 3 = 12$$

Answer ..... 12 .....

(2)

- (b) Work out  $\frac{1}{3} \div \frac{1}{9}$

$$= \frac{1}{3} \times \frac{9}{1} = \frac{1 \times 9}{3 \times 1} = \frac{9}{3} = 3$$

Answer ..... 3 .....

(2)

- (c) Work out  $\frac{3}{5} - \frac{1}{4}$

$$= \frac{12}{20} - \frac{5}{20} = \frac{7}{20}$$

Answer .....  $\frac{7}{20}$  .....

(2)

(Total 6 marks)

3. Work out the following

$$(a) \quad \frac{2}{5} \text{ of } 45 = 45 \div 5 \times 2 = 18$$

Answer ..... 18

(2)

$$(b) \quad \frac{2}{5} \times \frac{1}{4} = \frac{2 \times 1}{5 \times 4} = \frac{2}{20} = \frac{1}{10}$$

Answer .....  $\frac{1}{10}$

(1)

$$(c) \quad \frac{2}{5} - \frac{1}{4} = \frac{8}{20} - \frac{5}{20} = \frac{3}{20}$$

Answer .....  $\frac{3}{20}$

(2)

(d) John's dog eats  $\frac{2}{3}$  of a tin of dog food each day.  
What is the least number of tins needed for 7 days?

$$\frac{2}{3} \times 7 = \frac{14}{3} = 4\frac{2}{3}$$

Answer ..... 5 tins

(3)

(Total 8 marks)

4. Work out

$$(a) \quad \frac{2}{5} \times \frac{1}{4} = \frac{2 \times 1}{5 \times 4} = \frac{2}{20} = \frac{1}{10}$$

Answer .....  $\frac{1}{10}$

(1)

$$(b) \quad \frac{3}{4} - \frac{1}{5} = \frac{15}{20} - \frac{4}{20} = \frac{11}{20}$$

Answer .....  $\frac{11}{20}$

(2)

(Total 3 marks)

$$5. \quad \text{Work out } \frac{3}{5} \div 6 = \frac{3}{5} \times \frac{1}{6} = \frac{3}{30} = \frac{1}{10}$$

Answer .....  $\frac{1}{10}$

(2)

(Total 2 marks)