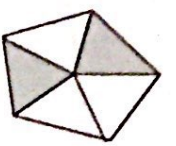
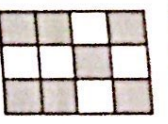


1. For each shape, say what fraction has been shaded :-



- (a)  $\frac{2}{5}$  (b)  $\frac{2}{10}$



- (c)  $\frac{4}{9}$

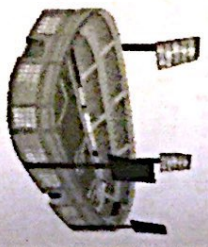


2. Write down TWO fractions equivalent to :-  
 (a)  $\frac{1}{2}$  (b)  $\frac{2}{5}$  (c)  $\frac{3}{10}$

3. Write each of these fractions in their simplest form :-  
 (a)  $\frac{8}{16}$  (b)  $\frac{15}{20}$  (c)  $\frac{9}{24}$

4. Find :-  
 (a)  $\frac{1}{2}$  of 30 (b)  $\frac{1}{4}$  of 36 (c)  $\frac{1}{3}$  of 24  
 (d)  $\frac{1}{5}$  of 45 (e)  $\frac{1}{10}$  of 120 (f)  $\frac{1}{20}$  of 200  
 (g)  $\frac{2}{9}$  of 18 (h)  $\frac{3}{4}$  of 36 (i)  $\frac{7}{8}$  of 32  
 (j)  $\frac{5}{6}$  of 1278 (k)  $\frac{3}{7}$  of 406 (l)  $\frac{3}{8}$  of 872

5. Of the 60000 fans who attended the UEFA cup final in Seville only  $\frac{3}{8}$  were supporting Oporto.  
 (a) How many Oporto supporters were there?  
 (b) How many supporters did their opponents, Celtic have?



6. Write these percentages as fractions in their SIMPLEST form :-  
 (a) 10% (b) 80% (c) 35%  
 (d) 12% (e) 44% (f) 7.5%  
 7. Change these fractions into percentages :-  
 (a)  $\frac{3}{50}$  (b)  $\frac{4}{5}$  (c)  $\frac{7}{10}$  (d)  $\frac{2}{8}$

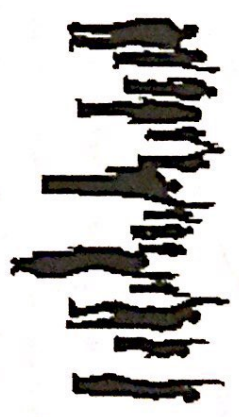
8. From a £20 note, I spent £8 of it going to the cinema. What percentage was this?

9. Victor scored 34 out of 40 in his History exam and got 24 out of 30 for Geography. Convert both marks into percentages and state in which exam he did better.



10. Calculate :-  
 (a) 24% of £180 (b) 5% of £1200 (c) 85% of 60p  
 (d)  $33\frac{1}{3}\%$  of £300 (e) 17.5% of £140 (f) 20% of £4.50

11. 48% of the population of Prestwick are senior citizens. If Prestwick has 12500 inhabitants, how many are senior citizens?



12. Do the following, WITHOUT using a calculator :-  
 (a)  $33\frac{1}{3}$  of £15 (b) 10% of 40p (c) 25% of £30  
 (d) 5% of 60p (e)  $66\frac{2}{3}\%$  of £72 (f) 90% of £80



13. (a) I spent  $\frac{1}{3}$  of my money on an ice-cream cone, and still had £1.20 left. How much must I have started with?  
 (b) My petrol tank was exactly  $\frac{1}{4}$  full. It took 24 litres of petrol to fill the tank up. How many litres of petrol does my tank hold altogether?  
 (c) Billy drove  $\frac{2}{5}$  of the way from Aylsbury to Brackie. He still had 12 miles to go. How far is it altogether from Aylsbury to Brackie?