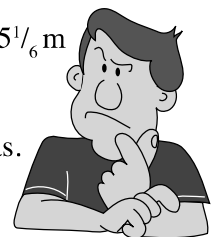
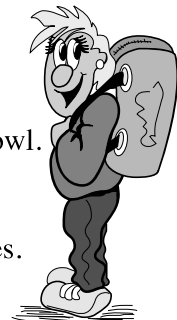
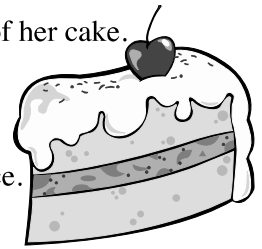




## Addition/Subtraction of Fractions. (Worded Questions).

- 1). John and Claire **each** bake a cake. John eats  $\frac{5}{8}$  of his cake and Claire eats  $\frac{7}{10}$  of her cake. Who has eaten more (you must show working out) ?
- 2). In the marathon Edward, James and Charles all give up during the race. Edward completes  $\frac{3}{4}$  of the race, James  $\frac{7}{12}$  of the race and Charles  $\frac{2}{3}$  of the race. In the race who completed a). the most, b). the least ?
- 3). To place an advert in a magazine it charges £10 for each  $\frac{1}{8}$  of a page used. How much would an advert cost in this magazine if the advert is  $\frac{3}{4}$  of a page.
- 4). Javid gets sponsored for a swim. He works out he is paid £5 for each  $\frac{1}{20}$  of the distance to be covered. He only completes  $\frac{3}{5}$  of the distance. How much should Javid be paid ?
- 5). Jenny and Billy each has a bag of marbles. In Jenny's bag 15 out of 20 are blue. In Billy's bag 8 out of 12 are blue.
  - a). What fraction of the marbles is blue in each bag ?
  - b). Who has the bigger proportion of marbles that are blue ?
- 6). In Mrs. Morris's class there are 18 girls out of 30 pupils. In Mrs. Payne's there are 12 girls in the class of 20.
  - a). What fraction of girls are there in each class ?
  - b). Who has the bigger proportion of girls ?
- 7). There are  $2\frac{3}{4}$  litres of milk in a bowl.  $\frac{7}{8}$  of a litre of milk is added to the bowl. How much milk is now in the bowl ?
- 8). Henry walks  $3\frac{3}{4}$  miles towards Paul's house. The actual distance is  $5\frac{1}{4}$  miles. How far does he have to walk to finish the journey to Paul's house ?
- 9). Two parcels weigh  $2\frac{3}{5}$  Kg and  $4\frac{9}{10}$  Kg. What is their combined weight ?
- 10). A full bottle of lemonade holds  $2\frac{1}{2}$  litres. Lynne fills a glass to the top with lemonade from the full bottle. The glass holds  $\frac{1}{3}$  litre. How much lemonade is left in the bottle ?
- 11). An urn contains  $8\frac{1}{4}$  litres of tea before the drinks break. After the drinks break it contains  $5\frac{3}{8}$  litres of tea. How much tea has been used from the urn ?
- 12). A plank of wood is  $6\frac{1}{3}$  m long.  $2\frac{5}{8}$  m is sawn off. What length of the plank is left ?
- 13). Three pieces of wood are joined together end to end. They are  $4\frac{1}{3}$  m,  $2\frac{1}{4}$  m and  $5\frac{1}{6}$  m long. What is the length of the new piece of wood ?
- 14). In the elections  $\frac{1}{5}$  of the people voted for Mr. Preston,  $\frac{5}{8}$  voted for Mrs. Douglas. Everyone else voted for Mr. Fisher. What fraction voted for Mr. Fisher ?
- 15). Beth got her pocket money yesterday. She spent  $\frac{3}{4}$  of it straight way. She spent  $\frac{1}{5}$  of it today. What fraction has she a). spent, b). got left ?



16). Pocket money is shared out between the 3 children. Abigail receives  $\frac{3}{5}$  of the money, Bobby receives  $\frac{1}{8}$  of the money and Colin the rest. What fraction does Colin receive ?

17). A group of friends travel to London.  $\frac{2}{5}$  go by bus,  $\frac{1}{3}$  by train and the rest by car. What fraction travel by car ?



18). In the school netball team Hazel scored half the goals in a match. Sam scored  $\frac{1}{12}$  of the goals.

- a). What fraction of the goals did the rest of the team score ?
- b). If the team scored 36 goals, how many goals did the rest of the team score ?

19). Dad bakes a chocolate cake. He eats  $\frac{1}{3}$  of it straight away. Mum then eats  $\frac{1}{4}$  of it when she sees it. The children get the rest.

- a). What fraction do the children get ?
- b). There are 2 children and the cake is shared equally. What fraction do they each get ?

20). On one page of a magazine there are 3 adverts. One is  $\frac{1}{4}$  of the page, another  $\frac{1}{8}$  of a page and the last  $\frac{3}{16}$  of a page.




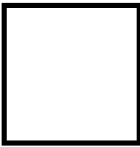
- What fraction of the page is a) covered by adverts, b) not covered by adverts ?

21).  $\frac{1}{4}$  of my salary is spent on food,  $\frac{1}{5}$  is spent on the mortgage. What fraction of my salary is left for other things ?

22). Farmer Bill plants corn on  $\frac{3}{8}$  of his land, trees on  $\frac{1}{5}$  of his land and grazes cows on the rest. What fraction of the land does he graze cows on ?



23). Find the perimeter for each of the following rectangles:

a). $2\frac{1}{3}$ m	b). $3\frac{1}{5}$ m	c). $4\frac{5}{8}$ m	d). $4\frac{7}{10}$ m
$1\frac{1}{4}$ m 	$2\frac{2}{3}$ m 	$2\frac{1}{5}$ m 	$5\frac{2}{3}$ m 

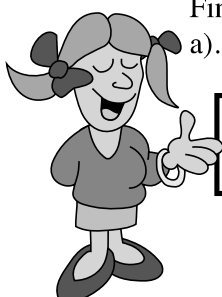
24). In a new relay race the 4 runners can pass the baton at any time in the race. Sally completes  $\frac{1}{3}$  of the race before handing over to Jill. Jill completes  $\frac{1}{4}$  of the race and hands over to Jean. Jean completes  $\frac{1}{8}$  of the race. Shabina is last competitor, what fraction of the race must she run to complete the race ?

25). Jane has a stick 10 m long. She cuts off  $2\frac{1}{3}$  m for Tom,  $3\frac{1}{4}$  m off for Amy and  $1\frac{5}{6}$  m off for Rosie. What length of stick does Jane have left ?

Difficult.

26). For each of the following rectangles the size of one side and the perimeter are given.

Find the size of the missing side.



a). $2\frac{3}{4}$ m	b). $2\frac{1}{4}$ m	c). $3\frac{1}{8}$ m	d). $1\frac{4}{5}$ m
