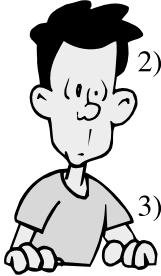


Multiplication/Division of Fractions. (Worded Questions).



- 1). Andy earns £96.27 a week. After deductions from his wage he takes home $\frac{2}{3}$ of the wage. How much does he take home ?
- 2). A beach bucket that holds 2400 ml of water is filled to the top. It has a hole in it, and as it is carried around the garden it loses $\frac{3}{5}$ of the water. How much water a). has been lost, b). is still in the bucket ?
- 3). A brand new car cost Sue £12462. After a week she takes it back to the garage and they tell her it is only worth $\frac{5}{6}$ of what she paid for it. How much a). is the car now worth, b). has it depreciated in value ?
- 4). A table designer makes tables using $\frac{3}{8}$ metal and the rest wood. Each table is 72 Kg. What weight are a). the metal parts, b). the wooden parts ?
- 5). At school $\frac{7}{10}$ of the pupils have a snack at break time. There are 780 pupils in the school. How many **don't** have a snack at break time ?
- 6). A magazine contains $\frac{7}{12}$ articles and the rest are adverts. If there are 204 pages in the magazine how many pages are **adverts** ?
- 7). Farmer Jill keeps cows, sheep and horses. $\frac{1}{5}$ are cows, $\frac{2}{3}$ are sheep and the rest are horses.
 - a). What fraction are horses ?
 - b). Farmer Jill has 135 animals in total. How many are
 - i). cows, ii). sheep, iii). horses ?
- 8). Pupils at a school either arrive by bus, car or on foot. $\frac{3}{10}$ walk and $\frac{1}{3}$ come by bus.
 - a). What fraction come by car ?
 - b). There are 420 pupils at the school. How many arrive
 - i). on foot, ii). by bus, iii). by car ?
- 9). In a garden there are grass areas, flower beds and bushes. The grassed area covers $\frac{2}{3}$ of the garden and the flower beds cover $\frac{1}{5}$ of the garden.
 - a). What fraction of the garden is covered by bushes ?
 - b). If the garden is 195m², what area is
 - i). grass, ii). flower beds, iii). bushes ?
- 10). Jenny has 9Kg of flour. She drops $\frac{1}{4}$ of it. What weight of flour has she dropped ?
- 11). Beth has a rope 23 m long. She cuts off $\frac{1}{5}$ of it. How long are the two pieces ?
- 12). Keith buys 16 bars of chocolate and eats $\frac{2}{3}$ of them straight away. How much has he a). eaten, b). got left ?
- 13). At the village fete 23 cakes are sliced ready to eat. At the end of the fete $\frac{3}{4}$ of the cake had been sold. How much had been a). sold b). left ?
- 14). In the local 50 page magazine $\frac{3}{7}$ of the area of the magazine contained adverts. What area of the magazine a). contained adverts, b). didn't contain adverts ?

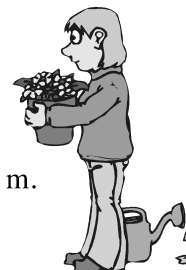


- 15). There are $1\frac{1}{2}$ litres of lemonade in a bottle. Nancy drinks $\frac{1}{3}$ of it.
How much does she drink ?
- 16). Ron spends $3\frac{1}{2}$ hours gardening. He spends $\frac{3}{7}$ of this time mowing the lawn.
How long does he spend mowing the lawn ?
- 17). A chef has $3\frac{1}{3}$ litres of cooking oil. He uses $\frac{2}{5}$ of it during an evenings cooking.
How much does he a). use, b). have left over ?



- 18). A small field is $3\frac{1}{2}$ hectares. Sheep graze on $\frac{11}{14}$ of it.
What area do the sheep a). graze on, b). not graze on ?

- 19). A garden fence is $12\frac{1}{2}$ m long though $\frac{3}{5}$ is rotten.
What length of fence is a). rotten, b). fine ?



- 20). A small rectangular room is to be carpeted. The length is $2\frac{1}{2}$ m and width is $1\frac{1}{5}$ m.
What area of carpet is needed ?

- 21). Find the area of these rectangles:

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

- 22). $7\frac{3}{5}$ Kg of coffee is put into $1\frac{1}{3}$ Kg packets. How many packets will be needed ?
Give your answer as a). a fraction, b). the number of packets needed.

- 23). A small barrel of washing up liquid contains $11\frac{1}{2}$ litres.
This is to be transferred to $\frac{3}{4}$ litre containers. How many containers will be needed ?
Give your answer as a). a fraction, b). the number of containers needed.

- 24). A field is $17\frac{2}{5}$ hectares. The farmer ploughs $1\frac{1}{5}$ hectares a day of the field.
How many days will it take him to plough the field ?
Give your answer as a). a fraction, b). the number of days needed.

- 25). A metal bar is $14\frac{1}{10}$ m long. How many $\frac{3}{4}$ m strips can be cut from the bar ?
Give your answer as a). a fraction, b). the number of $\frac{3}{4}$ m strips.

- 26). For each of the following rectangles the size of one side and the area are given.
Find the size of the missing side.

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

