

Name

Date



PERCENTAGE OF NUMBER PROBLEMS 2C

Find the answers to these percentage of number word problems.

Can you spot the impossible/trick problem?

1) A shop sells 140 chocolate, vanilla and strawberry ice creams. 41% of the ice creams sold are vanilla, and 24% are strawberry. How many chocolate ice creams are sold?



2) An animal park has lions, tigers and zebras. 15% of the animals are lions and $\frac{3}{5}$ of the animals are zebras. If there are 160 animals at the park, how many lions are there?

3) LA Galaxy have won 35% of their soccer matches, and drawn 9 of them. If they have played 40 matches, how many have they lost?



4) A car can travel 400 miles on a full tank of petrol. A more efficient car can travel 32% further. How many miles can it travel on a tank?

5) In a fruit survey, 300 children choose their favourite fruit out of apples, bananas and watermelon. 38% chose apples, 28% chose bananas. How many children chose watermelon?

6) In a traffic survey of 2000 vehicles: bikes, buses and cars were recorded. $\frac{2}{5}$ of the vehicles were bikes and 17% were buses. How many cars were there?

7) In Salamanderville, there is a 24% chance it will rain on any given day. How many days of rain would you expect it to be dry in 150 days?



8) Sally either walks, cycles or drives to work. She walks about 15% of the time. In 100 days, how many times would she cycle?

Did you manage to find the impossible problem?





PERCENTAGE OF NUMBER PROBLEMS 2C

ANSWERS

1) A shop sells 140 chocolate, vanilla and strawberry ice creams. 41% of the ice creams sold are vanilla, and 24% are strawberry. How many chocolate ice creams are sold?



Answer: 49 chocolate ice-creams

2) An animal park has lions, tigers and zebras. 15% of the animals are lions and $\frac{3}{5}$ of the animals are zebras. If there are 160 animals at the park, how many lions are there?

Answer: 24 lions

3) LA Galaxy have won 35% of their soccer matches, and drawn 9 of them. If they have played 40 matches, how many have they lost?



Answer: 13 matches

4) A car can travel 400 miles on a full tank of petrol. A more efficient car can travel 32% further. How many miles can it travel on a tank?

Answer: 528 miles

5) In a fruit survey, 300 children choose their favourite fruit out of apples, bananas and watermelon. 38% chose apples, 28% chose bananas. How many children chose watermelon?

Answer: 102 children

6) In a traffic survey of 2000 vehicles: bikes, buses and cars were recorded. $\frac{2}{5}$ of the vehicles were bikes and 17% were buses. How many cars were there?

Answer: 860 cars

7) In Salamanderville, there is a 24% chance it will rain on any given day. How many days of rain would you expect it to be dry in 150 days?



Answer: 114 dry days

8) Sally either walks, cycles or drives to work. She walks about 15% of the time. In 100 days, how many times would she cycle?

Impossible question – we do not know how much of the time she drives.