## PERCENTAGE OF NUMBER PROBLEMS 2B

Find the answers to these percentage of number word problems.
Can you spot the impossible/trick problem?

1) A shop sells 200 chocolate, vanilla and strawberry ice creams. $45 \%$ of the ice creams sold are vanilla, and $30 \%$ are strawberry. How many chocolate ice creams are sold?
2) An animal park has lions, tigers and zebras. $20 \%$ of the animals are lions and half the animals are zebras. If there are 120 animals at the park, how many tigers are there?
3) A car can travel 400 miles on a full tank of petrol. A more efficient car can travel $30 \%$ further. How many miles can it travel on a tank?
4) In a traffic survey of 200 vehicles: bikes, buses and cars were recorded. $3 / 4$ of the vehicles were cars and $17 \%$ were buses. How many bikes were there?
5) Sally either walks, cycles or drives to work. She walks about $15 \%$ of the time. In 100 days, how many times would she cycle?
6) In Salamanderville, there is a $24 \%$ chance it will rain on any given day. How many days of rain would you expect in 50 days?


Answer:
5) In a fruit survey, 60 children choose their favourite fruit out of apples, bananas and watermelon. $30 \%$ chose apples, $25 \%$ chose bananas. How many children chose watermelon?

## PERCENTAGE OF NUMBER PROBLEMS 2B ANSWERS

1) A shop sells 200 chocolate, vanilla and strawberry ice creams. 45\% of the ice creams sold are vanilla, and $30 \%$ are strawberry. How many chocolate ice creams are sold?

Answer: 50 chocolate ice creams
3) LA Galaxy have won $36 \%$ of their soccer matches. If they have played 50 matches, how many have they won?
Answer: 18 matches
5) In a fruit survey, 60 children choose their favourite fruit out of apples, bananas and watermelon. $30 \%$ chose apples, $25 \%$ chose bananas. How many children chose watermelon? Answer: 27 children
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 50 days?


Answer: 38 days would be dry
2) An animal park has lions, tigers and zebras. 20\% of the animals are lions and half the animals are zebras. If there are 120 animals at the park, how many tigers are there?
Answer: 36 tigers
4) A car can travel 400 miles on a full tank of petrol. A more efficient car can travel $30 \%$ further. How many miles can it travel on a tank? Answer: 520 miles
6) In a traffic survey of 200 vehicles: bikes, buses and cars were recorded. $3 / 4$ of the vehicles were cars and $17 \%$ were buses. How many bikes were there? Answer: there were 16 bikes.
8) Sally either walks, cycles or drives to work. She walks about $15 \%$ of the time. In 200 days, how many times would she cycle?

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

