

PERCENTAGE OF NUMBER PROBLEMS 2A

Find the answers to these percentage of number word problems.

Can you spot the impossible/trick problem?

- 1) A shop sells 100 chocolate, vanilla and strawberry ice creams. 40% 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 lions are there?

- 3) LA Galaxy have won 60% of their soccer matches. If they have played 40 matches, how many have they won?



- 4) A car can travel 400 miles on a full tank of petrol. A more efficient car can travel 30% further. How many miles further can it travel on a tank?



- 5) In a fruit survey, 30 children choose their favourite fruit out of apples, bananas and watermelon. 10% chose apples, 30% chose bananas. How many children chose watermelon?

- 6) In a traffic survey of 80 vehicles: bikes, buses and cars were recorded. $\frac{3}{4}$ of the vehicles were cars and 20% were buses. How many buses 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 in 50 days?

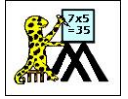


Answer:

- 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 2A ANSWERS

- 1) A shop sells 100 chocolate, vanilla and strawberry ice creams. 40% of the ice creams sold are vanilla, and 30% are strawberry. How many chocolate ice creams are sold?



Answer: 30 chocolate ice creams

- 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 lions are there?

Answer: 24 lions

- 3) LA Galaxy have won 60% of their soccer matches. If they have played 40 matches, how many have they won?



Answer: 22 matches

- 4) A car can travel 400 miles on a full tank of petrol. A more efficient car can travel 30% further. How many miles further can it travel on a tank?

Answer: 120 miles further

- 5) In a fruit survey, 30 children choose their favourite fruit out of apples, bananas and watermelon. 10% chose apples, 30% chose bananas. How many children chose watermelon?

Answer: 18 children

- 6) In a traffic survey of 80 vehicles: bikes, buses and cars were recorded. $\frac{3}{4}$ of the vehicles were cars and 20% were buses. How many buses were there?

Answer: 16 buses.

- 7) 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: 12 days of rain

- 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.