Name

Date



PERCENTAGE OF NUMBER PROBLEMS 2B

Find the answers to these percentage of number word problems.

Can you spot the impossible/trick problem?

- 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?
- 3) LA Galaxy have won 36% of their soccer matches. If they have played 50 matches, how many have they won?
- 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?
- 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:

- 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?
- 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?
- 6) In a traffic survey of 200 vehicles: bikes, buses and cars were recorded. ¾ of the vehicles were cars and 17% were buses. How many bikes were there?
 - 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?



Name

Date



PERCENTAGE OF NUMBER PROBLEMS 2B ANSWERS

 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?

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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. ¾ 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.



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