SPOT THE PERCENTAGE 2A

Work out the missing percentages in these problems.

See if you can spot the impossible problem which cannot be answered!

1) A shop sells chocolate, vanilla and strawberry ice creams. 45% of the ice creams sold are vanilla, and 17% are strawberry. What percentage are chocolate?

2) An animal park has lions, tigers and zebras. 17% of the animals are lions and half the animals are zebras. What percentage are tigers?

3) LA Galaxy have won 68% of their soccer matches. What percentage have they lost?

4) Out of the 250 million cars on the road in the US, about 3% are diesel. What percentage are not diesel?

5) In a fruit survey, children choose their favourite fruit out of apples, bananas and watermelon. 29% chose apples, 41% chose bananas. What percentage chose watermelon?

6) In a traffic survey, some bikes, buses and cars were recorded. 70% of the vehicles were cars and 17% were buses. What percentage were bikes?
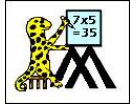
7) There is a 22% chance it will rain tomorrow. What is the chance it will stay dry?

8) Sally either walks, cycles or drives to work. She walks about 15% of the time and drives about 50% of the time. What percentage of the time does she cycle?

Did you manage to find the impossible problem?

SPOT THE PERCENTAGE 2A ANSWERS

1) A shop sells chocolate, vanilla and strawberry ice creams. 45% of the ice creams sold are vanilla, and 17% are strawberry. What percentage are chocolate?

Answer: 38%

2) An animal park has lions, tigers and zebras. 17% of the animals are lions and half the animals are zebras. What percentage are tigers?

Answer: 33%

3) LA Galaxy have won 68% of their soccer matches. What percentage have they lost?

Impossible question – we don't know how many matches have been drawn

4) Out of the 250 million cars on the road in the US, about 3% are diesel. What percentage are not diesel?
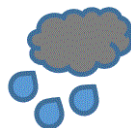
Answer: 97%

5) In a fruit survey, children choose their favourite fruit out of apples, bananas and watermelon. 29% chose apples, 41% chose bananas. What percentage chose watermelon?

Answer: 30%

6) In a traffic survey, some bikes, buses and cars were recorded. 70% of the vehicles were cars and 17% were buses. What percentage were bikes?

Answer: 13%

7) There is a 22% chance it will rain tomorrow. What is the chance it will stay dry?

Answer: 78%

8) Sally either walks, cycles or drives to work. She walks about 15% of the time and drives about 50% of the time. What percentage of the time does she cycle?

Answer: about 35%