



SPOT THE PERCENTAGE 2B

Work out the missing percentages in these problems. Remember to read carefully!
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 $\frac{1}{4}$ are strawberry. What percentage are chocolate?



- 2) An animal park has lions, tigers and zebras. 17% of the animals are lions and $\frac{3}{10}$ of the animals are zebras. What percentage are tigers?

- 3) LA Galaxy have won $\frac{4}{5}$ of their soccer matches. What percentage have they lost?



- 4) Out of the 250 million cars on the road in the US, about 3.5% 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 and $\frac{2}{5}$ chose bananas. What percentage chose watermelon?

- 6) In a traffic survey, some bikes, buses and cars were recorded. $\frac{3}{4}$ of the vehicles were cars and 17% were buses. What percentage were bikes?

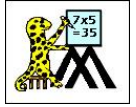
- 7) There is a 22% chance it will rain tomorrow and a 6% chance of strong winds. What is the chance it will stay dry?



- 8) Sally either walks, cycles or drives to work. She walks about 15% of the time and drives about $\frac{3}{5}$ of the time. What percentage of the time does she cycle?

Did you manage to find the impossible problem?





SPOT THE PERCENTAGE 2B ANSWERS

- 1) A shop sells chocolate, vanilla and strawberry ice creams. 45% of the ice creams sold are vanilla, and $\frac{1}{4}$ are strawberry. What percentage are chocolate?



Answer: 30%

- 2) An animal park has lions, tigers and zebras. 17% of the animals are lions and $\frac{3}{10}$ of the animals are zebras. What percentage are tigers?

Answer: 53%

- 3) LA Galaxy have won $\frac{4}{5}$ of their soccer matches. What percentage have they lost?

Impossible problem – we don't know how many are tied.

- 4) Out of the 250 million cars on the road in the US, about 3.5% are diesel. What percentage are not diesel?

Answer: 96.5%

- 5) In a fruit survey, children choose their favourite fruit out of apples, bananas and watermelon. 29% chose apples and $\frac{2}{5}$ chose bananas. What percentage chose watermelon?

Answer: 31%

- 6) In a traffic survey, some bikes, buses and cars were recorded. $\frac{3}{4}$ of the vehicles were cars and 17% were buses. What percentage were bikes?

Answer: 8%

- 7) There is a 22% chance it will rain tomorrow and a 6% chance of strong winds. What is the chance it will stay dry?

Answer: 78% (the wind is irrelevant information)

- 8) Sally either walks, cycles or drives to work. She walks about 15% of the time and drives about $\frac{3}{5}$ of the time. What percentage of the time does she cycle?

Answer: 25%