



There are 50 dragons at a pop concert. 20% are adults, 50% are boys and the rest are girls. How many girls are there? Help!!!!!!

50 dragons is 100%.
10% of 50 is 5. 20% of 50 is 10.
That means 10 must be adult dragons.



50% are boys. 50% of 50 is 25 (a half).
That's 10 adults and 25 boys, making 35 in total.

So the number of girl dragons must be $50 - 35$,
which is 15.
(One of them is my girlfriend!!)



OK! I'm ready for the challenge. See how well you do with the questions on the next page. You might even have time to get to the concert!



Try these percentage problems. Remember, to find 50% of a total divide the total by 2.
To find 25% divide by 4.
To find 10% divide by 10.

1. Asif has 200 model vehicles. 25% of them are lorries. 60% are cars. The rest are motor bikes.

- a. How many lorries does Asif have?
b. How many of the vehicles are cars?
c. How many motor bikes does he have?

2. 400 boys went to the football match.
70% went by coach. 10% went by car. The rest walked.

- a. How many boys went by coach?
b. How many boys walked to the match?

3. A netball team played 30 games in one season. They won 60% of their games. They drew 20% and lost the rest.

- a. How many games did they win?
b. How many games did they lose?

4. A computer game cost £45 before VAT. VAT was another 20%

How much did the game cost altogether?

5. Cinema tickets cost £8 each. On Tuesdays there is a 20% discount.

How much does a ticket cost on a Tuesday?

Answers

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1. a. 50 b. 120 c. 30

2. a. 280 b. 80

3. a. 18 b. 6

4. £54

5. £6.40