Problems of the Day

Day 52

Use bar models to solve all of today's problems



1

Chris and Meg have some money.
Chris has 4 times as much as Meg.
Chris gives Meg some of his money.
They now have the same amount of money.
What fraction of his money did Chris give Meg?

Chris gave Meg $\frac{3}{8}$ of his money.

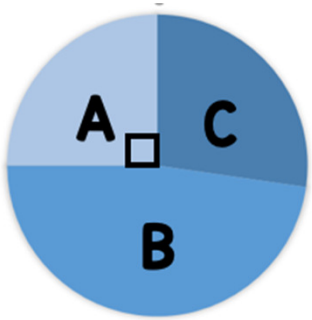
There is another page!

2

The pie chart shows the number of people who preferred 3 films.

55 people preferred film A.
45 more people preferred film B than preferred film C.

How many people preferred film B?



105 people preferred film B.

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3

Jug A contains 950 ml more juice than jug B.
250 ml of juice is poured from jug A to jug B.
The ratio of juice in jug A to jug B is now 5 : 2
How much juice was in jug B at the start?

_50_ ml of juice was in jug B at the start.

Go to the next page for...

THE REALLY HORRIBLE CHALLENGE QUESTION

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THE REALLY HORRIBLE CHALLENGE QUESTION



4 In a sale Tommy bought a kettle and a toaster.

- He paid a total of £105
- The amount paid for the kettle is $\frac{2}{5}$ the cost of the toaster.
- The total price before the discount should have been £133
- The toaster was reduced by 20%

How much was the kettle reduced by?

£9.25