Practise

Find these percentages.

1) 5% of 500
2) 10% of 56
3) 25% of 400
4) 10% of 12
5) 1% of 4
6) 5% of 78
7) 10% of 8
8) 1% of 13

Fluency

1) 45% of 400
2) 31% of 600
3) 13% of 200
4) 67% of 80

5) Steve has got to serve 500 hours of community service. So far he has done 60% of his hours. How many hours does he still have left to do?

Reasoning

1) Isla says 'To find 10% you divide by 10, to find 20% you divide by 20.' Do you agree? Explain your reasoning.

2) Daniel is saving money. His dad offers his two lots of money. 60% of £35 or 45% of £48. Which should he take? Show your reasoning.

3) Would you rather be given 60% of two cakes or 26% of 5 cakes? Explain your reason clearly for your choice.

4) Would you rather be surrounded by 25% of 40 snakes or 40% of 25 snakes? Explain your reason clearly for your choice.
Percentages 2

Practise

Find these percentages.

1) 25% of 400
2) 10% of 12
3) 1% of 4
4) 5% of 78
5) 10% of 8
6) 1% of 13

Fluency

1) 31% of 600
2) 13% of 200
3) 67% of 80
4) Steve has got to serve 500 hours of community service. So far he has done 60% of his hours. How many hours does he still have left to do?

Reasoning

1) Isla says 'To find 10% you divide by 10, to find 20% you divide by 20.' Do you agree? Explain your reasoning.

2) Daniel is saving money. His dad offers his two lots of money. 60% of £35 or 45% of £48. Which should he take? Show your reasoning.

3) Would you rather be surrounded by 25% of 40 snakes or 40% of 25 snakes? Explain your reason clearly for your choice.

Problem Solving

1) A golf club has 200 members. 58% of the members are male. 50% of the female members are children.
   How many male members are in the golf club?
   How many female members are in the golf club?
2) Jack and Tara both have a string of beads. They have red beads, blue beads, white beads and purple beads. They both count how many of each colour they have.

Jack's beads are 50% blue, 35% red, 10% white, and 5% purple.
Tara's beads are 40% blue, 32% red, 20% white and 8% purple.

They have the smallest amount of beads possible with those percentages.
How many beads did Jack have?
How many beads did Tara have?

If we know that Jack and Tara have 10 purple beads between them, how many beads do they have altogether?