Name: .... Class: ....

Age puzzles

1. Mrs. Grace has 3 children. Belter is 21 years old Peter is 6 years younger than Joy and 7 years younger than Belter. How old is Joy?

2. Doreen is 50 years old. Her sister Angie is 2 years younger than Christabell and 5 years older than James. Christabell is 2 years older than Doreen. How old is James?

3. Lisa and her two friends, Erica and Ella went out for a camping trip. At night, sitting beside the fire, they started talking about their ages. Lisa started by saying that her elder sister is 44 years old and that she's 12 years younger than her sister. Erica is 22 years older than Lisa and 12 years older than Ella. Who is the youngest?

mathskills4kids

Name: .... Class: ....

Age puzzles

1. Mrs. Grace has 3 children. Belter is 21 years old Peter is 6 years younger than Joy and 7 years younger than Belter. How old is Joy?

Let's write down the given information.

- Belter is 21 years old
- Peter is 7 years younger than Belter
- So, Peter's age = 21 – 7 = 14 years
- Peter is 6 years younger than Joy
- So, Joy's age = Peter's age plus 6 = (14 + 6) years = 20 years.

Therefore, Joy is 20 years old.

2. Doreen is 50 years old. Her sister Angie is 2 years younger than Christabell and 5 years older than James. Christabell is 2 years older than Doreen. How old is James?

Let's write down the given information.

- Doreen is 50 years old.
- Christabell is 2 years older than Doreen.
- So, Christabell's age = Doreen's age plus 2 = 50 years + 2 = 52 years.
- Angie is 2 years younger than Christabell

So, Angie's age = Christabell's age minus 2 = 52 years - 2years = 50 years

- Angie is 5 years older than James

So, James age = Angie's age – 5 = 45 years

Therefore, James is 45 years old.

3. Lisa and her two friends, Erica and Ella went out for a camping trip. At night, sitting beside the fire, they started talking about their ages. Lisa started by saying that her elder sister is 44 years old and that she's 12 years younger than her sister. Erica is 22 years older than Lisa and 12 years older than Ella. Who is the youngest?

Let's write down the given information.

Lisa is 12 years younger than her sister

So, Lisa's age = 44 years minus 12 years

= 44 - 12 = 32 years

Erica is 22 years older than Lisa

So, Erica's age = 32 years + 22 years = 54 years

Erica is 12 years older than Ella

So, Ella's age = Erica's age minus 12 years = (54 – 12) = 42 years

From the above ages, you see that Lisa's age is the smallest.

Therefore, Lisa is the youngest.