

Base Camp – Order these fractions and decimals from smallest to largest.

- 1) 35% 20% $\frac{1}{2}$ $\frac{1}{4}$
- 2) $\frac{5}{10}$ $\frac{3}{4}$ 25% 1%
- 3) $\frac{10}{100}$ $\frac{3}{10}$ 90% 57%

Climbing – Can you find the percentages of these amounts.

- 1) 50% of 12
- 2) 50% of 300
- 3) 25% of 12
- 4) 25% of 40

Peak – Can you find the percentages of these amounts.

- 1) 1% of 300
- 2) 10% of 20
- 3) 15% of 60
- 4) 17% of 200

Summit – answer these reasoning questions.

Max: My amount is greatest, because I started with the greatest amount. **Max**
20% of 480

Eva: My amount is greatest, because I am finding the greatest percentage. **Eva**
50% of 210

Alex: I think my amount is greatest. **Alex**
25% of 424

Who do you agree with?

Dora, Jack, Mo and Rosie were asked to find 90% of a number.

Dora: I found 10% and multiplied it by 9.

Jack: I found 1% by dividing by 100, then I multiplied my answer by 90.

Mo: I worked out $50\% + 10\% + 10\% + 10\% + 10\%$.

Rosie: I found 10% and subtracted it from 100%.

Whose method is correct?
Explain your answer.

Base Camp – Order these fractions and decimals from smallest to largest.

- 1) 35% 20% $\frac{1}{2}$ $\frac{1}{4}$
- 2) $\frac{5}{10}$ $\frac{3}{4}$ 25% 1%
- 3) $\frac{10}{100}$ $\frac{3}{10}$ 90% 57%

Climbing – Can you find the percentages of these amounts.

- 1) 50% of 12
- 2) 50% of 300
- 3) 25% of 12
- 4) 25% of 40

Peak – Can you find the percentages of these amounts.

- 1) 1% of 300
- 2) 10% of 20
- 3) 15% of 60
- 4) 17% of 200

Summit – answer these reasoning questions.

Max: My amount is greatest, because I started with the greatest amount. **Max**
20% of 480

Eva: My amount is greatest, because I am finding the greatest percentage. **Eva**
50% of 210

Alex: I think my amount is greatest. **Alex**
25% of 424

Who do you agree with?

Dora, Jack, Mo and Rosie were asked to find 90% of a number.

Dora: I found 10% and multiplied it by 9.

Jack: I found 1% by dividing by 100, then I multiplied my answer by 90.

Mo: I worked out $50\% + 10\% + 10\% + 10\% + 10\%$.

Rosie: I found 10% and subtracted it from 100%.

Whose method is correct?
Explain your answer.