

Task A

Order these calculations smallest to largest product:

$7 \times 5 =$

$8 \times 4 =$

$6 \times 6 =$

$5 \times 8 =$

I think of two numbers. When I multiply my numbers together I get 24. When I add my numbers I get less than 12.

What could my numbers be?

Task B

Order these calculations smallest to largest product:

$12 \times 10 =$

$14 \times 8 =$

$11 \times 11 =$

$9 \times 14 =$

I think of two numbers. When I multiply my numbers together I get 60. When I add my numbers I get more than 16.

What could my numbers be?

Extend

I think of 2 numbers. I get more than 70 when I multiply them. When I add my numbers they equal 24. What could my numbers be?

Give two possible answers.

I think of 2 numbers. I get less than 70 when I multiply them. When I add my numbers they equal 24. What could my numbers be?

Give two possible answers.

Ben aged 8 in YR 3

Answers

Task A: Smallest to largest: $8 \times 4 = 32$ $7 \times 5 = 35$ $6 \times 6 = 36$ $5 \times 8 = 40$

Possible numbers: 8 and 3 6 and 4

Task B: Smallest to largest: $14 \times 8 = 112$ $12 \times 10 = 120$ $11 \times 11 = 121$

$9 \times 14 = 126$

Possible numbers: 12 and 5 15 and 4 20 and 3 30 and 2 60 and 1

Extend: Part 1: 12×12 down to 20×4 Part 2: 23×1 or 22×2 or 21×3