

If I had a dollar
everytime algebra
helped me, I would
have x dollars



Bro, you just need a
growth mindset! Being
able to create our own
algebra problems can
help us solve all kinds of
future problems!

Twenty times the sum of a number and 4
increased by the difference of 14 and 7



Let's break this down

- **Twenty times** → = $20(\dots)$
- **The sum of** → = $20(\dots + \dots)$
- **a number and 4** → = $20(x + 4)$
- **Increased by** → = $20(x + 4) + (\dots)$
- **The difference of** → = $20(x + 4) + (\dots - \dots)$
- **14 and 7** → = $20(x + 4) + (14 - 7)$

$$= 20(x + 4) + 7$$

$$= 20x + 80 + 7$$

Simplify = $20x + 87$

