

Mathematics

Increase by a Percentage

Mr Millar



Independent task

Work out, in one step:

1. Increase 500 by 60%
2. Increase 140 by 23%
3. Increase 160 by 13%
4. Increase 30 by 6%
5. Increase 505 by 78.4%
6. Increase 100 by 1.3%
7. Increase 125 by 135%



Explore

Yasmin is thinking of a number. She increases it by 25% to get 80.
What number is she thinking of?



Answers



Independent task

Work out, in one step:

1. Increase 500 by 60%

$$500 \times 1.6 = 800$$

2. Increase 140 by 23%

$$140 \times 1.23 = 172.2$$

3. Increase 160 by 13%

$$160 \times 1.13 = 180.8$$

4. Increase 30 by 6%

$$30 \times 1.06 = 31.8$$

5. Increase 505 by 78.4%

$$505 \times 1.784 = 900.92$$

6. Increase 100 by 1.3%

$$100 \times 1.013 = 101.3$$

7. Increase 125 by 135%

$$125 \times 2.35 = 293.75$$



Explore

Yasmin is thinking of a number. She increases it by 25% to get 80.
What number is she thinking of?

$$64 \times 1.25 = 80$$

(You could do $80 \div 1.25$ to get 64)

