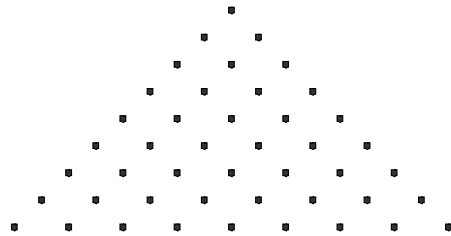


1. Following the correct order of operations, calculate $4 + 6 \div 2$.

Answer: 7

* *In the mixed calculation do \times and \div before $+$ and $-$.*

2. How many dots are there in the diagram below?



Answer: 45

* $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 = (1 + 9) + (2 + 8) + (3 + 7) + (4 + 6) + 5 = 4 \times 10 + 5 = 45$

3. What is the remainder when 18118 is divided by 5?

Answer: 3

* $18118 \div 5 = (18110 + 8) \div 5 = 18110 \div 5 + 8 \div 5$ so answer is 3. *Only the last digit needs to be checked.*

4. Dan has 18 books while Emily has 10 books. How many books does Dan need to give to Emily for them to have the same number of books?

Answer: 4 books

* $(18 - 10) \div 2 = 4$

5. Four friends are comparing their heights. Ben is shorter than Amy. Josh is taller than Amy. Nicole is taller than Josh. Who is the second tallest?

Answer: Josh is the second tallest.

* *Order from tallest to shortest is: Nicole, Josh, Amy, and Ben.*

6. One watermelon weighs the same as 4 peaches, and one peach weighs the same as 5 strawberries. How many strawberries weigh the same as a watermelon?

Answer: 20

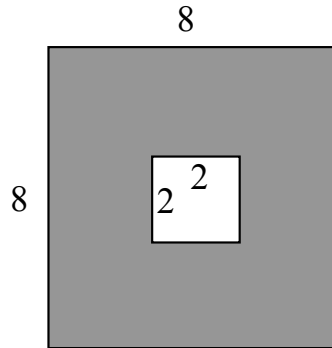
* $4 \times 5 = 20$

7. How many numbers from 1 to 20 are divisible by 3?

Answer: 6

* *In total there are 6 numbers and they are 3, 6, 9, 12, 15, 18. You can also get the answer when you divide 20 by 3 and delete the remainder.*

8. What is the area of the grey region in the diagram below?



Answer: 60 (units squared)

* $8 \times 8 - 2 \times 2 = 64 - 4 = 60$ (units squared).