

**Q1.** In this sequence, the rule to get the next number is

Multiply by 2, and then add 3

Write the missing numbers.

	25	53	
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**Q2.** A theme park sells tickets online.

Each ticket costs £24

There is a £3 charge for buying tickets.

Which of these shows how to calculate the total cost, in pounds?

Tick **one**.

number of tickets  $\times 3 + 24$

number of tickets  $\times 24 + 3$

number of tickets  $+ 3 \times 24$

number of tickets  $+ 24 \times 3$

Q3. Dev says,



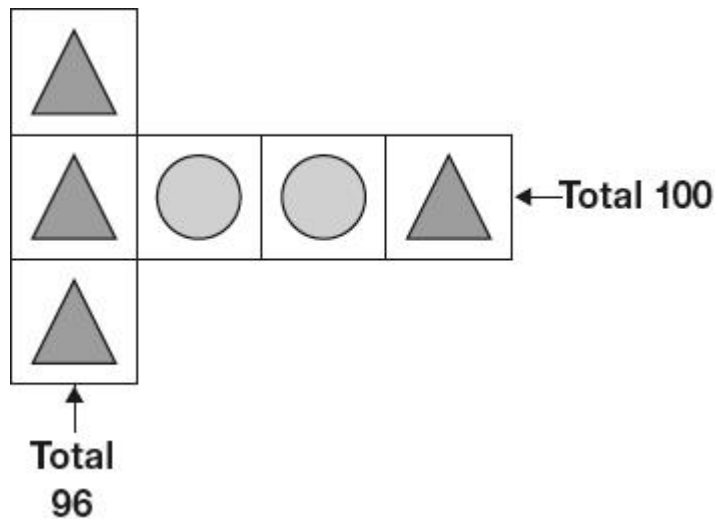
Which expression shows how much money Dev has left?

$a$  is the amount of money, in pounds, that Dev gave away.


Tick **one**.


- |               |                          |
|---------------|--------------------------|
| $10 + a$      | <input type="checkbox"/> |
| $10 \div a$   | <input type="checkbox"/> |
| $a - 10$      | <input type="checkbox"/> |
| $10 - a$      | <input type="checkbox"/> |
| $a \times 10$ | <input type="checkbox"/> |

**Q4.** Each shape stands for a number.



Work out the **value** of each shape.

 = \_\_\_\_\_

 = \_\_\_\_\_

**Q5.** What is the value of  $4x + 7$  when  $x = 5$ ?