National Numeracy Tests

REASONING 7ER14

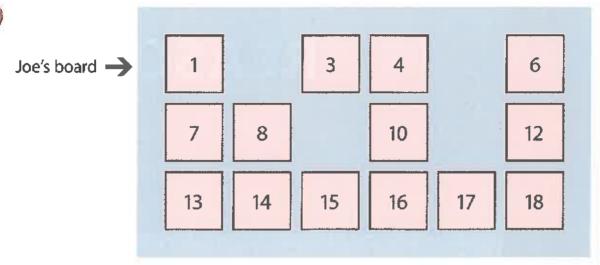
First name
Last name
School
Class
Date of birth OOOOO
Date of test 0 0 5 2 0 1 4
Total score (maximum 20)











He throws:





Circle all the numbers on his board that he can knock out.



She is going to throw both dice.

Cross (X) all the numbers on her board that are **not possible** to knock out, whatever she throws.



Lisa says:



If both dice show **even** numbers, you cannot knock off an **odd** number because ...

- even + even is always an even
- even even is always an even
- even × even is always an even
- even ÷ even is always an even.

One of Lisa's four bullets is not correct.

Which one?

Show **why** it is not correct.



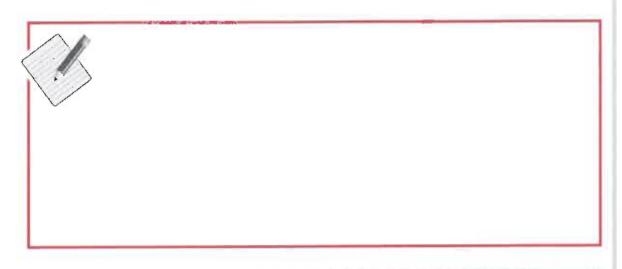






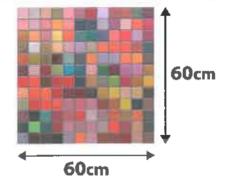


Write all the times between **03:30** and **04:30** when the clock shows digits that add to **9**

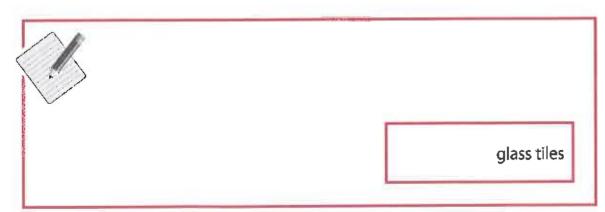


3m

144 small glass tiles cover a square that is 60cm by 60cm.



How many small glass tiles will cover a rectangle that is 120cm by 90cm?

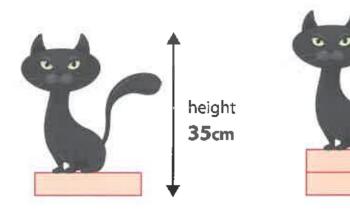




(4)

This cat sits on bricks.

All the bricks are the same height.



height 90cm

height

40cm

Now the cat sits on more bricks.

You cannot see all the bricks.

The total height is **90cm**.

Work out how many bricks there are.





bricks

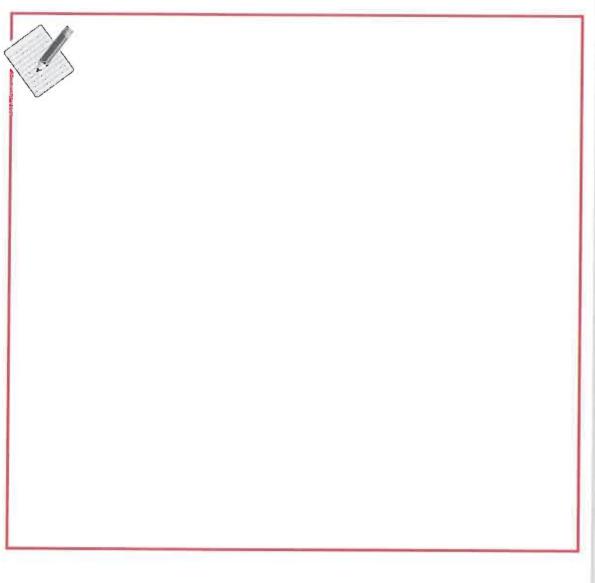


Children are planning their school fete.

They will raise money by selling ice creams in cones.



Work out what the children need to buy and the total cost.



4m

They sell all 100 ice creams.

How much profit have they made?

