Joe’s board

He throws:

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

Erin’s board

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.
1. David wakes up in the night.

   The digits on my clock add to 9

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

2. 144 small glass tiles cover a square that is 60 cm by 60 cm.

   How many small glass tiles will cover a rectangle that is 120 cm by 90 cm?
This cat sits on bricks.
All the bricks are the same height.

height 35 cm

Now the cat sits on more bricks.
You cannot see all the bricks.
The total height is 90 cm.

Work out how many bricks there are.
Children are planning their school fete.

They will raise money by selling ice creams in cones.

One 2 litre tub of ice cream costs £1.75

One packet of 10 cones costs 40p.

We will put 100ml of ice cream into each cone.

We must buy enough to make 100 ice creams.

We will sell each ice cream for 50p.
Work out what the children need to buy and the total cost.

They sell all 100 ice creams.
How much profit have they made?