

Name: _____

Festive Maths Riddles!



Issy counts 39 snowflakes. Leila counts six times as many as Issy. Noah counts half as many as Leila. They decorate windows with 12 snowflakes each. They must save 15 snowflakes for a card.

- How many snowflakes do they count altogether?
- How many windows can they decorate?
- How many snowflakes will be left over after saving some for the card?



A snowboard costs £240. In the winter sale, it is reduced by 35%. Issy buys 3 snowboards at the sale price. She pays with £800. Afterwards, she earns £12.50 cashback per snowboard. How much money does Issy have left after the purchase and cashback?



The elves make 360 cups of hot chocolate. $\frac{3}{10}$ of the cups are topped with marshmallows. The rest are plain. Later, 15% of the plain cups spill. Then, the elves drink $\frac{1}{6}$ of the remaining marshmallow cups. How many cups of hot chocolate are left altogether?

Challenge

Leila counts 128 snowflakes. She arranges them equally into 16 rows. She colours in 0.375 (three-eighths) of the snowflakes in each row blue. Of the remaining snowflakes, 25% are coloured silver. How many snowflakes are blue, how many are silver, and how many stay white?

