



1) Jack has a bag of marbles.

- $\frac{7}{20}$ of the marbles are red.
- 12% of the marbles are yellow.
- 0.18 of the marbles are green.
- $\frac{1}{5}$ of the marbles are blue.
- The rest of the marbles are pink.

There are fewer pink marbles in the bag than any other colour.



Is Jack's statement correct? Explain your reasoning.

2) Here are three riddles.

Riddle A

As a percentage, I am a whole number with an even tens digit and an odd ones digit.

As a simplified fraction, my denominator is 4.

Riddle B

As a decimal, I am repeating.

As a percentage, I am between 20% and 50%.

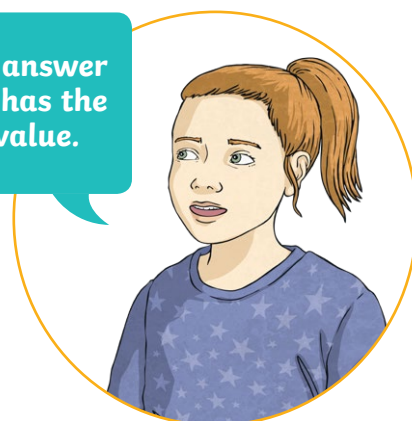
As a fraction, both my numerator and denominator are less than 5.

Riddle C

In percentage form, I am a whole number that is a multiple of 10 with an even tens digit.

In simplified fraction form, the difference between my denominator and numerator is 1.

I think the answer to riddle C has the greatest value.



Do you agree?

Explain your reasoning.
