

# At the fair

This task is about solving problems written in words or in equations.



a) Visitors to a school fair pay an entrance fee, and then pay 20c for each sideshow. A visitor who has  $n$  turns at a sideshow spends  $50 + 20n$  cents altogether.

i) How much is the entrance fee?  cents

ii) Iona has 6 turns at the sideshows.

How much does she spend altogether, including the entrance fee? \$

iii) Tanielu and Lani spend \$2.40 between them on sideshows. Lani has two more turns at sideshows than Tanielu.

How many turns did they each have?

Tanielu:  turns    Lani:  turns

b) Ms Iosefa takes his two children, Alex and Marie, to another fair. He spends a total of \$7.00 altogether on sideshows and entrance fees.

i) If Marie had 8 turns at the sideshows, and her father had none, how many turns did Alex have?  turns

ii) Using the formula  $(100 + 20n)$  cents, work out how much Ms Iosefa spent on Marie at the fair. \$

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