Fairground Fun 1
Fairground Fun

The fair has come to town!
There are six mathematical challenges for you to complete.

After each challenge, click on the carousel to go on to the next one:
Timings

a) The fair opens at 12 o’clock. How long does Nisha have to wait?

b) Sam’s mum says they can stay at the fair for another 15 minutes. What time do they have to leave?
Prices

a) Seren spends 50p on two rides. Which two rides could she have gone on? Can you find more than one answer?

b) Grace goes on the carousel, the big wheel and the helter skelter. How much does she spend altogether?

c) Charlie pays for the swings with four coins. What four coins could they be? Can you find another answer?
Each member of the Andrews family bought one item from the snack bar. Follow the clues to work out what each person had:

- Mum had the most expensive drink.
- Dad’s drink cost 10p less than Mum’s.
- Isla had the cheapest snack.
- Max paid for his snack with a £5 note and got £1 change. What did he have?

**Menu**

**Drinks:**
- Cola ....................... 85p
- Water ..................... 70p
- Juice ...................... 80p
- Tea ......................... 90p
- Coffee ..................... £1

**Snacks:**
- Hotdog ..................... £3
- Burger ..................... £4
- Chips ....................... £2
- Ice-cream .................. £3
Ride Choices

This bar chart shows how many customers went on each ride on Friday evening.

a) Which was the least popular ride?
b) How many people went on the swings?
c) How many more people went on the bouncy castle than the rollercoaster?
d) Make up your own mathematical question about this bar chart.
In this game, you have to try to hook a rubber duck on your fishing rod. There are lots of ducks in the pool and you can hook **three** ducks each time. Each duck has a number on its underside and you add the numbers to find your score.

a) What would your total be if you hooked these ducks?

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\begin{align*}
7 & \\
13 & \\
9 & 
\end{align*}
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b) If Josh’s score was 10 less than yours. What would it be?
There are three flavours of ice-cream to choose from: chocolate, strawberry and mint. Asha’s dad says she can have three scoops. Can you find all the different flavour combinations she could have? How many are there?

You could draw your combinations, e.g.: 

Or record in another way, e.g.: 

C, C, C  
M, C, C  
M, M, C

*Take care not to repeat a combination, e.g. – if you already have a cone containing chocolate, chocolate, mint, you can’t then have chocolate, mint, chocolate.
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Well done, you’re finished!
Ask someone to check your answers.
Don’t worry if you got any of them wrong, you can go back and have another try.