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) It’s Friday morning. How long does Nisha have to wait until the fair opens?

b) How many hours is the fair open on Saturday?

c) Alex and Sasha arrive at the fair at 5:45pm on Sunday. How long have they got until it closes?
Prices

Rides
- Carousel - 75p
- Dodgems - 65p
- Big Wheel - £1
- Tea Cups - 50p
- Swings - 80p
- Rollercoaster - 95p
- Helter Skelter - 30p

a) Seren spends £1.30 on two rides. Which two rides could she have gone on? Can you find another answer?
b) Grace has £4.00. How many times can she go on the tea cup ride?
c) Charlie has £1.00. Can he go on two rides? **Explain your answer.**
The Snack Bar

Each member of the Andrews family bought a snack and a drink. Follow the clues to work out what each person had:

- Mum had the most expensive drink and the least expensive snack.
- Dad’s drink and snack cost 10p less than £5.
- Isla had a hot drink and her snack cost four times as much as her drink.
- Max had a different drink than Isla, but it cost the same amount. He had the same snack as Mum.
- How much did the family spend altogether?
This bar chart shows how many customers went on each ride on Friday.

a) Which was the most popular ride?

b) How many people went on the swings?

c) Ali says that double the number of people went on the rollercoaster as the dodgems. Is he correct? **Explain your answer.**

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 one of these numbers on its underside:

7  5  9  11  13

a) What do you notice about the numbers on the ducks?

b) If you hook three ducks and add the three numbers together, which total can you not get:

23  25  26  33

c) What is the highest total you can get with three ducks?
There are four flavours of ice-cream to choose from: chocolate, strawberry, vanilla 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.:

- C, C, C
- M, C, C
- M, M, C

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.
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.