ST EDWARD'S

OXFORD

13+ SCHOLARSHIP EXAMINATION 2016

MATHEMATICS

PAPER 2

1 hour

Answer all questions.

Calculators are NOT permitted.

Extra Paper is available

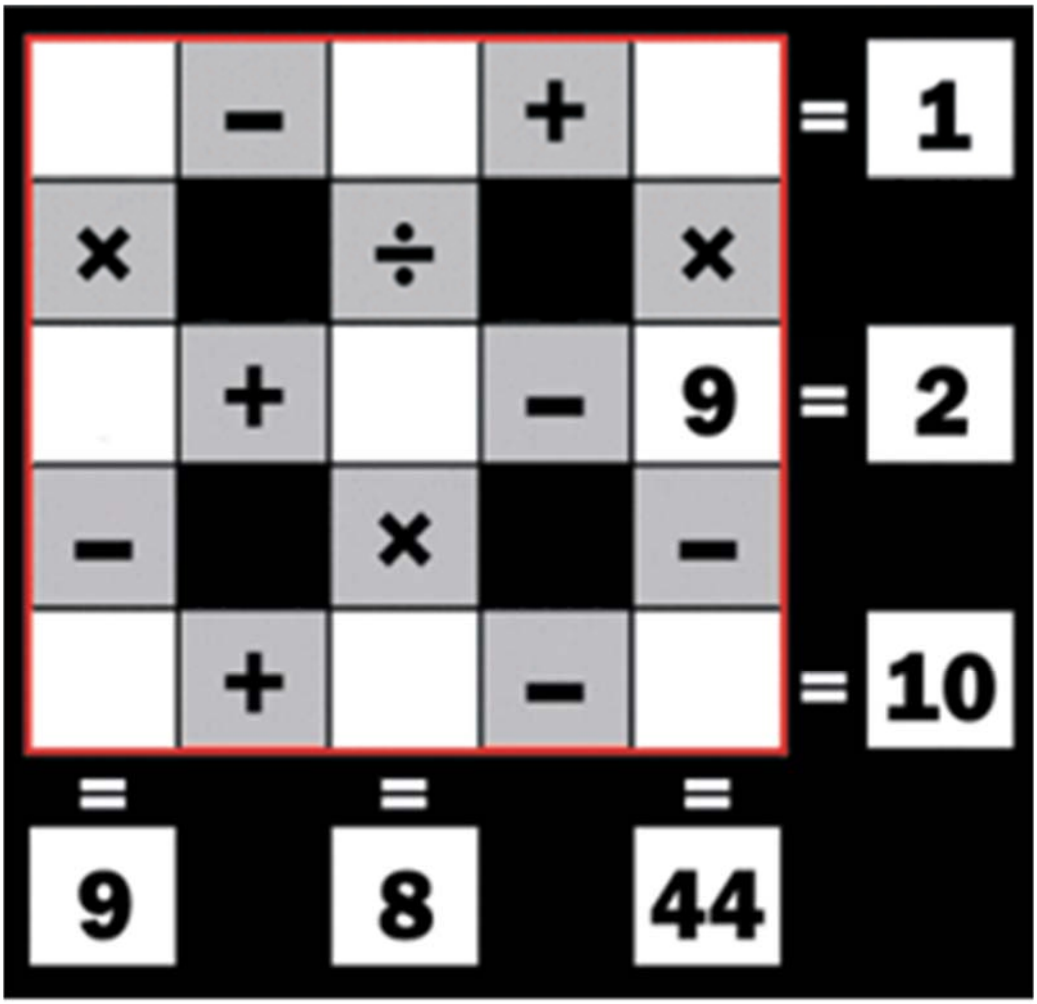
Name: _____

1. How many pears can I buy for £1.08 if seventy almonds cost the same as fifty chestnuts, forty-eight chestnuts cost the same as one pomegranate, eighteen pomegranates cost the same as twenty-eight lemons, ten lemons cost the same as twenty-five pears and one hundred and eight almonds cost 9p.

2. If you walk to school at 4 mph and jog home at 6mph, what was your average speed?

3. Tracy and Kelly are running laps on an indoor track, at steady speeds but in opposite directions. They start at the same position and meet every 20 seconds. It takes Tracy 45 seconds to complete each lap. How many seconds does it take for each of Kelly's laps.

4. Fill in the blank squares with the digits 1 to 8 (using each one only once) to make the sums in the rows and columns true



5. a)

A. The number of false statements here is one.

B. The number of false statements here is two.

C. The number of false statements here is three.

D. The number of false statements here is four.

Which of the above statements is true? Explain your answer

b)

Lucy, Minnie,Nancy and Opey ran a race. Each was asked how the race turned out, and they each made two statements:

Lucy: Nancy won. Minnie was second.
Minnie: Nancy was second. Opey was third.
Nancy: Opey was last. Lucy was second

Each girl's answer contains one true statement and one false statement. Who won the race, and in what order did the girls come?