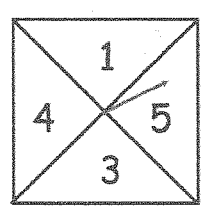


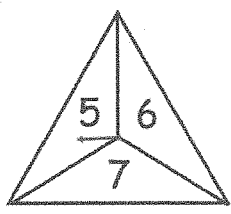
m7 = 20 days to go!

4. Two fair spinners are spun.

Spinner 1 has four equal sections labelled 1, 3, 4 and 5.
 Spinner 2 has three equal sections labelled 5, 6 and 7.



Spinner 1



Spinner 2

Each spinner is spun once.
 The numbers are added together to get a score.

(a) Complete the table to show all possible scores.

shows all possible

Spinner 1

+	1	3	4	5
5	6	8	9	10
6	7	9	10	11
7	8	10	11	12

Spinner 2

(2)

(b) Find the probability of scoring a 8 *circled in table*

2 ways out of 12 ways $\frac{2}{12}$

(1)

(c) Find the probability of scoring an odd number

odd numbers Δ *in table* $\frac{5}{12}$

(1)

Write each of the following in index form.

(a) $\frac{1}{5^2}$

5^{-2}

(b) $\frac{1}{3^4}$

3^{-4}

(c) $\frac{1}{8^3}$

8^{-3}

(d) $\frac{1}{4^5}$

4^{-5}

Sally has completed her homework.

Can you spot any mistakes?

Question 1

Evaluate

4^{-2}

-16

4^{-2}
 $= \frac{1}{4^2}$
 $= \frac{1}{16}$

Question 2

Work out

10^{-3}

$\frac{1}{30}$

10^{-3}
 $= \frac{1}{10^3}$
 $= \frac{1}{1000}$

$10^3 = 10 \times 10 \times 10$
 $= 1000$