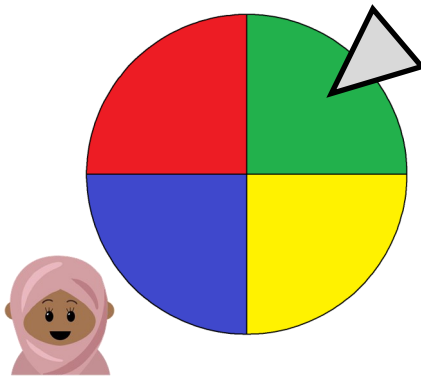




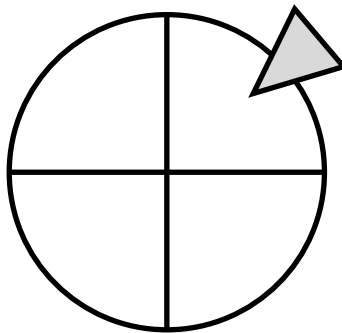
YR6 SATS PREPARATION - THREE A DAY REASONING

REASONING 1

Asha is playing a game using a colour wheel.



She spins the wheel clockwise and it rotates 990° .
Write the colours into each segment of the spinner below to show its new appearance.



REASONING 2

Below is a table of the tallest mountains in the United Kingdom along with their heights (in metres).

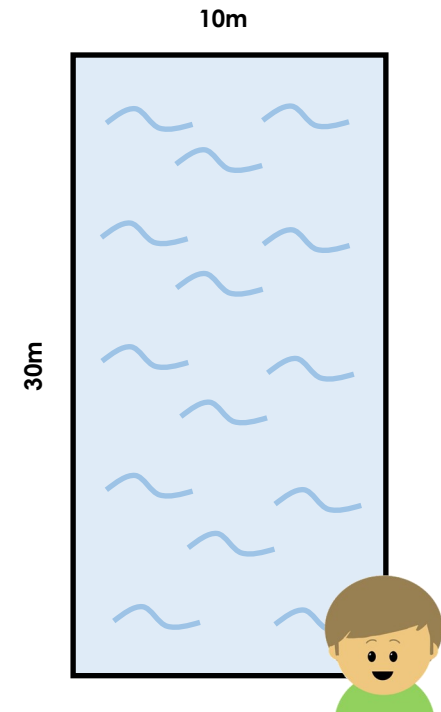


Mountain	Height (in metres)
Ben Nevis	1345
Ben Macdui	1309
Braeriach	1296

Round each of the mountain heights to the nearest 10m and calculate their combined heights.

REASONING 3

Jerry likes swimming in his hotel pool. Every morning, he swims around the edge of the pool 15 times.



Calculate the distance that he swims during each workout. Give your answer in kilometres.



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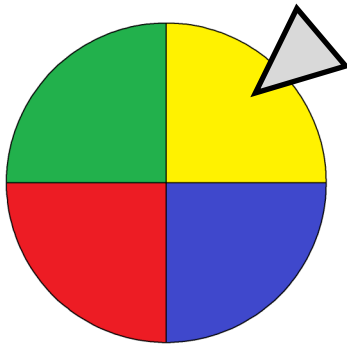
Photocopiable for educational purposes only



YR6 SATS PREPARATION - THREE A DAY REASONING **ANSWERS**

REASONING 1 ANSWER

The colour wheel will appear as shown below after turning 990° .



REASONING 2 ANSWER

After rounding the mountains to the nearest 10m, the results should be as follows:

Ben Nevis - 1350m

Ben Macdui - 1310m

Braeriach - 1300m

When added together, the final answer is **3960m**.

REASONING 3 ANSWER

A circuit of the pool...

$$30\text{m} + 30\text{m} + 10\text{m} + 10\text{m} = 80\text{m}$$

15 circuits of the pool...

$$80\text{m} \times 15 = 1200\text{m}$$

$$1200\text{m} = \mathbf{1.2\text{km}}$$

