

3 Total times for both events.

Challenge Work!

Answers to

E14
E15

BB
MM

E14

- 1 Daylight 08.07
- Walkabout 11.34
- House Call 14.19
- Music Chart 20.31
- Nighthawk 23.04
- Motorsport 00.45
- 2 Fan Club 06.34
- Seascape 08.35
- Amazon Trek 12.33
- Gardening Life 17.41
- Sportsweek 23.53
- 3 (a) 68 min (b) 72 min (c) 87 min
- (d) 104 min (e) 109 min (f) 118 min

E15

- 1 06.56
- 2 07.18
- 3 (a) 54 minutes (b) 11.34
- 4 (a) 19 minutes
- (b) 46 minutes
- 5 (a) 16.16 (b) 9 hours 57 minutes

E16

1 Cuboid

	Number of cubes in one row	(length) Number of rows	(breadth) Number of layers	(height) Volume in centimetre cubes
yellow	6	4	3	72 cm ³
red	7	5	2	70 cm ³
green	8	6	4	192 cm ³
purple	7	4	4	112 cm ³
blue	9	5	3	135 cm ³

2 Pupil's own answers; e.g.: To find the volume multiply the length by the breadth by the height.

- 3 yellow 240 cm² red 210 cm² orange 960 cm²
- brown 448 cm² blue 1000 cm² green 450 cm².

E17

Pupil's own answers (must have rotational symmetry)