

JANUARY 2018 FOUNDATION TIER ANSWERS

1 st	6000
2 nd	28%
3 rd	a) -10, -7, -2, 5, 24 b) 12
4 th	Flour 450g, Ginger 100g, Butter 275g, Sugar 75g
5 th	a) 4 toys 3 hats b) 48
6 th /7 th	a) £1 just for using taxi b) every mile = £3 c) $y = 3x + 1$
8 th	a) $2m^3 + 2m^2$ b) $x(2x + 1)$ c) $r = \frac{p+7}{2}$
9 th	Z
10 th	a) 400cm b) 40cm^2 c) 4cm^3
11 th	a) 455-465 b) 2.1125-2.1135
12 th	a) 65% b) £49 c) 128kg d) 0.012
13 th /14 th	a) 10km b) 4pm
15 th	a) $2^4 \times 5^2$ b) $2^5 \times 3 \times 5$ c) 40
16 th	90m^2
17 th	a) 4 b) $\frac{11}{3}$ c) 2
18 th	23mph
19 th	£162
20 th /21 st	c) $\binom{-6}{2}$
22 nd	$\frac{123}{56}$
23 rd	20 white 25 black
24 th	$x = 36$ $y = 72$
25 th	a) $3x(4x - 5)$ b) $(x + 15)(x - 4)$ c) $(x + 7)(x - 8)$
26 th	$\frac{5}{8}$
27 th /28 th	b) 22.4% c) $\frac{5}{42}$
29 th	a) $8f^2 + 36f$ b) $6x^2 - x - 2$
30 th	54cm^2 overestimate
31 st	100°