

Check in 1

- 1 a \div b \times c $+$
 d \div e \times f $-$
- 2 a 9 b 25 c 49
 d 100 e 64
- 3 a 27 b 72 c 56
 d 42
- 4 a 8 b 9 c 8
 d 7

MyReview 1

- 1 a 7.8 b 3.25 c 0.9
 d 0.06 e 70 f 1.7
 g 350 h 0.092
- 2 a 6097 b 6100 c 6100
 d 6000
- 3 a 13 b 22 c 96
 d 50 e 33 f 1
- 4 1, 2, 8
- 5 8, 16, 24
- 6 a Yes $5 + 6 + 4 = 15$, a multiple of 3
 b No $610 \div 2 = 305$, not even
 c Yes not divisible by 2, 3, 5 or 7 ($11^2 > 103$)
 d Yes ends in a 5
- 7 a $2 \times 3 \times 7$ b $5 \times 5 \times 7$
- 8 3, 7
- 9 a 9 b 12
- 10 a 88 b 140
- 11 a 3.0 3.2 3.5 4
 b 0.01 0.1 0.12 0.21
 c 8.99 9.08 9.8 9.91
 d 0.09 0.78 0.8 0.81

Check in 2

1

Metric	Imperial
gram	pint
millimetre	ounce
kilometre	foot
litre	inch
centimetre	mile
kilogram	pound
millimetre	yard

- 2 a 1 mile b 1 kilogram
 c 1 metre d 1 inch e 1 litre
- 3 a 20cm^2 b 18cm^2 c 25cm^2

MyReview 2

- 1 a 250 b 250 c 12000
 d 4300

- 2 a 24 b 80
- 3 a 10kg ($\approx 22\text{lbs}$) b 7 miles ($\approx 10.5\text{km}$)
- 4 a 66cm^2
- 5 a 54mm^2 b 60cm^2
- 6 a 60cm^2 b 6000cm^2 or 0.6m^2
- 7 31 cm
- 8 74.4 cm

Check in 3

- 1 a 21 b 4 c 5
 d 1 e -1 f -3
- 2 a 18 b 28 c 45
 d 84 e 48 f 63
 g 21 h 32
- 3 a -12 b -10 c -45
 d 24 e -48 f 18
 g -25 h 28
- 4 a 26 cm b 18 cm c 28 cm

MyReview 3

- 1 a $4b$ b $4n + 12m$
 c $g - 12h$ d $11j - 10i + 5$
- 2 a $24a$ b $12cd$ c $3h$
 d 2 e $42x$ f 3
 g $30pq$ h 8
- 3 a $12a + 12b$ b $12v - 16$ c $6x + 2$
 d $10s - 20t$ e $21 - 12s$
 f $4p + 8q - 12r$ g $18 + 3t$ h $4m + 2n$
- 4 a 99cm^2 b 3 cm
- 5 a $t + p$ b $t - 1$ c $2p$
- 6 a $P = 2n + 24$ b $P = 3s + 9$
 c $P = 10v + 5$ d $P = 14a + 10d$

Check in 4

- 1 Missing labels from left to right are 10%, 20%, 30%, 50%, 60%, 70%, 90%
- 2 a £5 b 8 kg c 12 cm
 d 25 mm
- 3 a $\frac{3}{8}$ b $\frac{3}{4}$ c $\frac{1}{3}$
 d $\frac{5}{9}$ e $\frac{1}{2}$ f 1

MyReview 4

- 1 a $\frac{2}{7}$ b 1
- 2 a $\frac{3}{6} = \frac{1}{2}$ b $\frac{4}{20} = \frac{1}{5}$ c $\frac{11}{12}$
- 3 a £6 b 3 students
- 4 a 16 g b 15 cm
- 5 a 3 b 15
- 6 a 150 b 5

- 7 a 0.3 b 0.4 c 0.25
 8 a 0.17 b 0.44
 9 a 7 b 72
 10 a 210 b 15
 11 £95
 12 £16.20
 13 40 %
 14 a £321 b £187.11
 15 a £769.60 b £800.38 c £1095.38

Check in 5

- 1 a 43 mm b 76 mm
 c 8 mm d 51 mm
 2 a 27° b 108° c 313°
 d 98°
 3 a 50° b 29°

MyReview 5

- 1 a = 76° Angles on a straight line add to 180°
 b = 104° Vertically opposite angles are equal /
 Angles on a straight line: $a + b = 180^\circ$
 c = 76° Angles on a straight line add to 180° /
 Vertically opposite angles: $c = a$ /
 Angles around a point add to 360°
 d = 125° Alternate angles are equal
 e = 125° Corresponding angles are equal /
 Vertically opposite angles
 f = 55° Angles on a straight line
 2 a = 48° b = 69° c = 50°
 d = 99° e = 95° f = 70°
 3 a = 33° b = 80° c = 100°
 4 a Trapezium b Rectangle
 5 a 7 cm b 55° c 125°

Check in 6

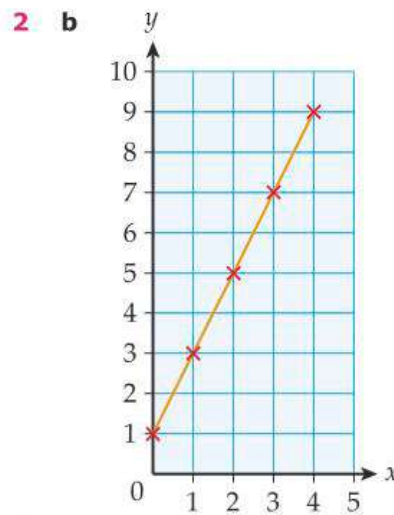
- 1 WELCOME
 2 a 2 b 3 c -1
 d -3 e -4 f -5
 3 a 3 b -2 c -2
 d 4

MyReview 6

- 1 A $x = 3$ B $y = -1$
 C $x = -4$ D $y = 5$

2 a

x	0	1	2	3	4
2x	0	2	4	6	8
+1	+1	+1	+1	+1	+1
y	1	3	5	7	9



- 3 a The points move three squares up for every one square across
 b $y = 3x$
 4 a 30 km/h b 20 km
 c He stops for 5 minutes
 5 a £200
 b Between 12 noon and 1 pm
 c Between 3 pm and 4 pm

Check in 7

- 1 a 10 b 8 c 13
 d 6 e 8 f 5
 g 13
 2 a 10 b 4 c 12
 d 10 e 5 f 12
 g 20 h 3
 3 a 20 b 70 c 20
 d 20 e 10 f 100
 g 30 h 40
 4 a £2 b £1 c £4
 d £4 e £5 f £6
 g £10 h £8

MyReview 7

- 1 a 215 b 27
 2 a 56 b 54 c 6
 d 140 e 50 f 0.75
 g 6.4 h 350
 3 a 192 b 245
 4 a 249 b 273 c 77.1
 d 73.7
 5 a 1620 b 4264 c 8645
 d 17 791
 6 a 132.3 b 146.3

- 7 a 17 b 21 c 15 r 2
 d 20 r 7 e 25 f 26
- 8 35.88m²
- 9 a £1 (84p) b £1.50 (£1.51)
 c 2 (1.798)
- 10 a 3.85 b 4.80
- 11 42 weeks, 2 days
- 12 a 95 days, 20 hours b 259200

Check in 8

- 1 a 7 b Norah c 4
 d 20
- 2 a Steak and kidney b Potato
 c 30 d 10

MyReview 8

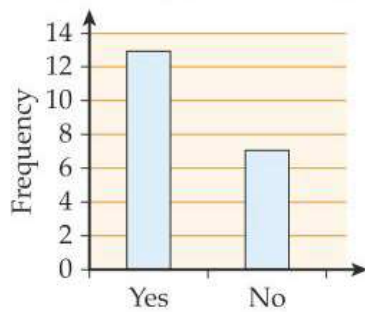
1

Gender (M/F)	Own bags (Y/N)

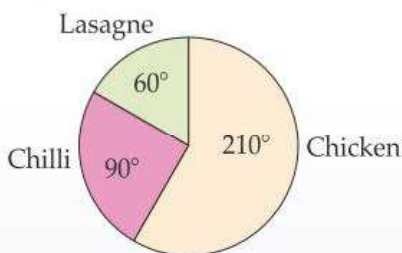
2 Frequencies: 3, 3, 2, 3, 1, 1, 2, 1

Amount spent (£)	Tally	Freq
0 - 9.99		3
10 - 19.99		3
20 - 29.99		2
30 - 39.99		3
40 - 49.99		1
50 - 59.99		1
60 - 69.99		2
70 - 79.99		1

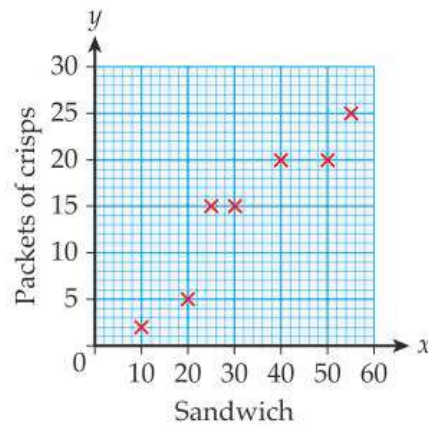
3 Did you bring your own bag?



4 School dinner choices



- 5 a 1 b $30 \div 12 = 2.5$
 c $(2 + 2) \div 2 = 2$ d $6 - 1 = 5$
- 6 a Café sales



b Positive correlation

7

0	4
10	8
20	3 8
30	1 2 2 4 6 8
40	0 2 3 3 3 7

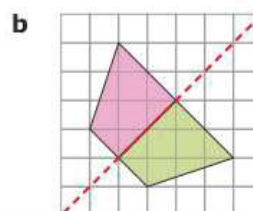
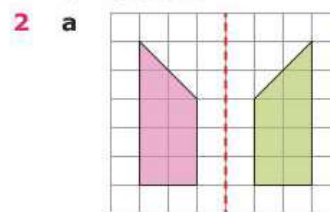
Key 20 | 3 means 23

Check in 9

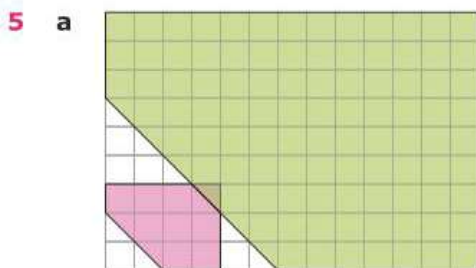
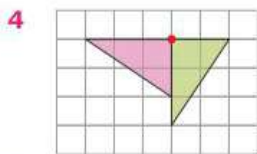
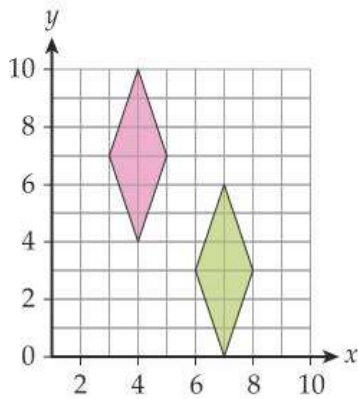
- 1 a Yes, 2 b No c No d Yes, 1
- 2 Only c same size
- 3 a 90° b 180° c 270° d 360°
- 4 Enlarged by a scale factor 2

MyReview 9

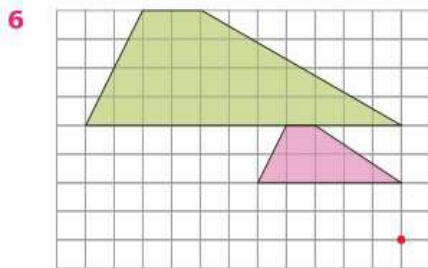
- 1 a One horizontal line of symmetry
 b Order 1



- 3 A rhombus with vertices at (7, 0), (6, 3), (7, 6) and (8, 1)



b $\frac{1}{3}$



- 7 A 10 cm by 3 cm rectangle.

Check in 10

- 1 a 22 b 3 c 3
 d 8 e -1 f 4
- 2 a $x + 5$ b $3y$
 c $t - 6$ d $\frac{a}{10}$
- 3 $4 \times 3 - 5 = 7$
- 4 No, left hand side is 28 but right hand side is 30

MyReview 10

- 1 a $35 = 35$ b $41 \neq 40$ c $42 \neq 41$
 2 a $5 < 8$ b $14 > 12$ c $55 < 56$
 3 a 13 b 45 c 10
 d 15 e 45 f 9
 g 16
- 4 a 7 b 11 c 1
 d 12
- 5 a $5p + 4 = 39$ b 7
- 6 a 2 b 6 c 2
 d 2 e 6 f 3
- 7 a $16x = 32$ b 2 cm
 c $5x = 10 \text{ cm}, 3x = 6 \text{ cm}$

Check in 11

- 1 a 30 b 32 c 27
 d 42 e 72 f 21
 g 108 h 28
- 2 a 6 b 7 c 5
 d 7 e 7 f 4
 g 4 h 7
- 3 a 600 b 54 c 320
 d 6700 e 89.7 f 372
 g 2734 h 7400
- 4 a 3.6 b 12.4 c 3.45
 d 7.21 e 0.94 f 0.87
 g 4.829 h 0.029

MyReview 11

- 1 a 9 b 1 c 100
 d 6 e 9 f 8
- 2 1, 4, 9, 16
- 3 7 cm
- 4 $4 \times 12 = 48 \text{ cm}$
- 5 a 64 b 625 c 729
 6 a 2^8 b 6^3 c 7^6
 d 5
- 7 a d^3 b e^5 c f^7
 8 a 3^7 b 7^{12} c 11^5
 9 a r^{11} b s^{13} c t^{14}
 d y^2z^3
- 10 a 560 b 200 000 c 9 400 000
 11 a 4×10^3 b 7.6×10^4 c 8.3×10^7

Check in 12

- 1 Check lines are accurate to within 1 mm.
 a 2.9 – 3.1 cm b 4.1 – 4.4 cm
 c 7.3 – 7.5 cm d 5.5 – 5.7 cm
 e 17 – 19 mm f 28 – 30 mm

- 2 a i 4 cm, 5 cm, 7 cm
 ii 40 mm, 50 mm, 70 mm
 iii Scalene
 b i All 4.3 cm ii All 43 mm
 iii Equilateral

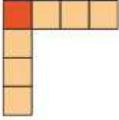
MyReview 12

- 1 Check angles are accurate to within 1° .
 a $54 - 56^\circ$ b $144 - 146^\circ$
 c $169 - 171^\circ$ d $224 - 226^\circ$
- 2 Check third angle and missing sides are as given.
 a $50^\circ, 5 \text{ cm}, 5.1 \text{ cm}$ b $55^\circ, 7.3 \text{ cm}, 4.2 \text{ cm}$
- 3 Check accuracy of drawing.
- 4 Check line is 3 cm from end, at 90° to vertical line.
- 5 Check line is at 33° to both original lines.
- 6 Check third side and missing angles are as given.
 a $5.9 \text{ cm}, 53^\circ, 75^\circ$ b $7.8 \text{ cm}, 37^\circ, 38^\circ$
- 7 Check the three sides and three angles are as given.
 $90^\circ, 53^\circ, 37^\circ$
- 8 a 055° b 200°

Check in 13

- 1 a 33 b 16 c 56
 d 25 e 43 f 29
- 2 Output in order is: 1, 4, 7, 10, 13, 16
- 3 a 3, 6, 9, 12, 15 b 7, 14, 21, 28, 35
 c 5, 10, 15, 20, 25 d 4, 8, 12, 16, 20
 e 11, 22, 33, 44, 55 f 9, 18, 27, 36, 45

MyReview 13




- 1 a Start with 9, add 7 37, 44
 b Start with 35, subtract 3 23, 20
 c Start with 1, triple 81, 243
- 2 a 6, 8, 10, 12, 14 b 90, 82, 74, 66, 58
 c 5, 10, 20, 40, 80 d 3, 5, 9, 17, 33
- 3 a  b 2
 c Multiply the position by 2 and subtract 1 or $2n - 1$
 d 29
- 4 a Multiply the position by 2 and add 5
 $(2n + 5)$
 b Multiply the position by 5 and subtract 1
 $(5n - 1)$
- 5 a 39 b 35 c 76
 d 44
- 6 a $4n + 5$ b $11n - 2$

- 7 a $10n + 4$ b $8n - 3$ c $n + 6$
 d $100n + 50$

Check in 14

- 1 a 35 cm^2 b 36 cm^2
 2 a 40 cm^2 b 9 cm^2 c 56 cm^2
 3 a 56 b 90 c 38
 d 46.5

MyReview 14

- 1 a Cuboid b 6 c 8
 d 12
- 2 a Triangular-based pyramid
 b 4 c 4 d 6
- 3 a Cylinder b Trapezium prism
- 4 a  b  c 
- 5 60 m^2
 6 408 cm^3
 7 68 cm^2

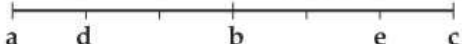
Check in 15

- 1 a 18 b 72 c 28
 d 60 e 42 f 66
 g 45 h 36
- 2 a 11 b 8 c 8
 d 9 e 5 f 12
 g 9 h 9
- 3 Possible equivalent fractions include
- a $\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{10}{20} = \frac{50}{100}$
 b $\frac{2}{3} = \frac{4}{6} = \frac{6}{9} = \frac{8}{12} = \frac{20}{30}$
 c $\frac{2}{5} = \frac{4}{10} = \frac{6}{15} = \frac{8}{20} = \frac{40}{100}$
 d $\frac{3}{4} = \frac{6}{8} = \frac{9}{12} = \frac{15}{20} = \frac{75}{100}$
 e $\frac{3}{20} = \frac{6}{40} = \frac{9}{60} = \frac{12}{80} = \frac{15}{100}$
 f $\frac{7}{10} = \frac{14}{20} = \frac{21}{30} = \frac{35}{50} = \frac{70}{100}$
 g $\frac{1}{7} = \frac{2}{14} = \frac{3}{21} = \frac{4}{28} = \frac{10}{70}$
 h $\frac{2}{8} = \frac{1}{4} = \frac{3}{12} = \frac{6}{24} = \frac{25}{100}$
- 4 a $\frac{1}{2}$ b $\frac{1}{2}$ c $\frac{2}{5}$
 d $\frac{3}{10}$ e $\frac{1}{4}$ f $\frac{17}{20}$
 g $\frac{4}{5}$ h $\frac{3}{7}$

MyReview 15

- 1 3 : 4
 2 a 4 : 5 b 2 : 3 c 3 : 4
 d 2 : 3
 3 2 : 1
 4 42
 5 a £15, £45 b 15 kg, 25 kg
 c 20 days, 100 days
 d 175 students, 75 students
 6 480 g
 7 a 37% b 30% c 35%
 d 75% e 40% f 50%
 g 20% h 100%
 8 A ($0.65 > 0.5$)
 9 a £3.60 b £18
 10 a 17 months b 2 more months

Check in 16

- 1 a Even chance (50/50) b Unlikely
 c Certain d Impossible e Likely
 2 
 3 a $\frac{6}{6} = 1$ b $\frac{3}{6} = \frac{1}{2}$ c $\frac{5}{6}$
 d $\frac{0}{6} = 0$ e $\frac{1}{6}$

MyReview 16

- 1 a $\frac{7}{9}$ b $\frac{0}{9} = 0$
 2 $1 - 0.4 = 0.6$

3 $\frac{20}{76} = \frac{5}{19}$

4 a

		Bread		
		White	Brown	Seeded
Filling	Cheese	(C, W)	(C, B)	(C, S)
	Ham	(H, W)	(H, B)	(H, S)
	Egg	(E, W)	(E, B)	(E, S)

b $3 \times 3 = 9$

5 a

		Dice					
		1	2	3	4	5	6
Coin	H	H1	H2	H3	H4	H5	H6
	T	T1	T2	T3	T4	T5	T6

b $2 \times 6 = 12$ c $\frac{1}{12}$ d $\frac{3}{12} = \frac{1}{4}$

6 $\frac{10}{15} = \frac{2}{3} = 0.67$ (2dp)

7 a $\frac{16}{40} = \frac{2}{5} = 0.4$ b $0.4 \times 30 = 12$

8

