Easter Maths Mosaics - Decimals

	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

0-10 inclusive: **black**	11-20 inclusive: **green**	21-30 inclusive: **white**	100-200 inclusive: **pink**

Each cell in the diagram is described by two numbers in brackets, for example, (2, 3) describes the cell which is 2 along and 3 down according to the numbers along the top and down the side. Similar to working with coordinates, you go along the corridor then up (or down) the stairs. The result of each calculation will tell you what colour to shade the cell.

(1, 1) 10.3 + 5.8 =

(1, 2) 15.3 rounded to the nearest 10 =

(1, 3) 6 ÷ 0.5 =

(1, 4) 125 × 0.1 =

(1, 5) 0.185 as a percentage =

(1, 6) 20 – 3.6 =

(1, 7) 134mm in cm =

(1, 8) 4.53 ÷ 0.4 =

(1, 9) 10.5 rounded to the nearest whole number =

(1, 10) 27 ÷ 1.5 =

(1, 11) 80 × 0.2 =

(2, 1) 0.2 as a percentage =

(2, 2) 89 - 77.9 =

(2, 3) 0.017kg in g =

(2, 4) 12.5 + 0.5 =

(2, 5) 12.7 rounded to the nearest 5 =

(2, 6) 30 ÷ 2.5 =

(2, 7) 3.2 × 4.5 =

(2, 8) 0.25 as a percentage =

(2, 9) 52.5 – 26 =

(2, 10) 0.018l in ml =

(2, 11) 0.01 + 0.1 + 1 + 10 =

(3, 1) 16.61 rounded to 1 decimal place =

(3, 2) 12 ÷ 0.8 =

(3, 3) 4.2 × 3.8 =

(3, 4) 0.133 as a percentage =

(3, 5) 46 – 30.05 =

(3, 6) 273mm in cm =

(3, 7) 20.8 rounded to the nearest whole number =

(3, 8) 8.4 + 8.4 + 8.4 =

(3, 9) 28.8 rounded to the nearest 10 =

(3, 10) 10 ÷ 0.6 =

(3, 11) 0.14 × 100 =

(4, 1) 0.18 as a percentage =

(4, 2) 48.6 - 19.8 =

(4, 3) 20.6 + 3.42 =

(4, 4) 85 - 56.9 =

(4, 5) 0.5 × 56 =

(4, 6) 31.5 ÷ 1.5 =

(4, 7) 0.004l in ml =

(4, 8) 28.5 rounded to the nearest 5 =

(4, 9) 2.7cm in mm =

(4, 10) 30 - 3.2 =

(4, 11) 6.2 + 4.9 =

(5, 1) 3.4 × 4 =

(5, 2) 50 ÷ 2.5 =

(5, 3) Round 12.111 to the nearest whole number =

(5, 4) 173mm in cm =

(5, 5) 24 + 2.6 =

(5, 6) 100 - 78.2 =

(5, 7) 6.3 × 3.9 =

(5, 8) 6 ÷ 0.25 =

(5, 9) 0.12l in ml =

(5, 10) 27 300g in kg =

(5, 11) 4.6 + 6.5 =

(6, 1) 20 – 0.05 =

(6, 2) 12 × 1.3 =

(6, 3) 6 ÷ 0.4 =

(6, 4) 17.8 rounded to the nearest 5 =

(6, 5) 14.6 + 6.5 =

(6, 6) 91.2 - 65 =

(6, 7) 0.05 × 410 =

(6, 8) 13.2 ÷ 0.6 =

(6, 9) 1.9m in cm =

(6, 10) 2.4cm in mm =

(6, 11) 4.8 + 9.33 =

(7, 1) 30 – 18.2 =

(7, 2) 6.4 × 4.1 =

(7, 3) 25 - 0.43 =

(7, 4) 2.5 × 8.5 =

(7, 5) 8 ÷ 0.32 =

(7, 6) Round 20.99 to 1 decimal place =

(7, 7) 52mm in cm =

(7, 8) £0.29 in pence =

(7, 9) 0.03 + 19.999 =

(7, 10) 20.5 rounded to the nearest whole number =

(7, 11) 12 687m in km =

(8, 1) 5.8 + 12.8 =

(8, 2) 25 - 8.5 =

(8, 3) 8.1 × 1.5 =

(8, 4) 4.8 ÷ 0.4 =

(8, 5) 18.6 rounded to the nearest 10 =

(8, 6) 30.02 - 0.03 =

(8, 7) 5.6 × 4.2 =

(8, 8) 12 ÷ 0.55 =

(8, 9) 23.88 rounded to 1 decimal place =

(8, 10) 120mm in cm =

(8, 11) 6.4 + 12.9 =

(9, 1) 18 – 1.7 =

(9, 2) 2.5 × 5.5 =

(9, 3) 3.2 ÷ 0.16 =

(9, 4) 16.843 rounded to 2 significant figures =

(9, 5) 0.018km in m =

(9, 6) 8.2 + 2.8 =

(9, 7) 30.6 - 11.8 =

(9, 8) 0.295m in cm =

(9, 9) 13.6 + 7.4 =

(9, 10) 5.8 × 2 =

(9, 11) 30 ÷ 2.5 =

(10, 1) 19.5 rounded to the nearest whole number =

(10, 2) 0.019l in ml =

(10, 3) 6.4 + 3.6 + 2.8 =

(10, 4) 100 - 85.3 =

(10, 5) 6.9 × 2 =

(10, 6) 8.8 ÷ 0.8 =

(10, 7) 17 rounded to the nearest 10 =

(10, 8) 0.013km in m =

(10, 9) 4 + 0.5 + 9 =

(10, 10) 79 - 60.3 =

(10, 11) 4.5 × 4 =

Easter Maths Mosaics - Decimals Answers

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0-10 inclusive: **black**	11-20 inclusive: **green**	21-30 inclusive: **white**	100-200 inclusive: **pink**

Each cell in the diagram is described by two numbers in brackets, for example, (2, 3) describes the cell which is 2 along and 3 down according to the numbers along the top and down the side. Similar to working with coordinates, you go along the corridor then up (or down) the stairs. The result of each calculation will tell you what colour to shade the cell.

Secondary

(1, 1) 10.3 + 5.8 = **16.1 green**

(1, 2) 15.3 rounded to the nearest 10 = **20 green**

(1, 3) 6 ÷ 0.5 = **12 green**

(1, 4) 125 × 0.1 = **12.5 green**

(1, 5) 0.185 as a percentage = **18.5% green**

(1, 6) 20 – 3.6 = **16.4 green**

(1, 7) 134mm in cm = **13.4cm green**

(1, 8) 4.53 ÷ 0.4 = **11.325 green**

(1, 9) 10.5 rounded to the nearest whole number = **11 green**

(1, 10) 27 ÷ 1.5 = **18 green**

(1, 11) 80 × 0.2 = **16 green**

(2, 1) 0.2 as a percentage = **20% green**

(2, 2) 89 - 77.9 = **11.1 green**

(2, 3) 0.017kg in g = **17g green**

(2, 4) 12.5 + 0.5 = **13 green**

(2, 5) 12.7 rounded to the nearest 5 = **15 green**

(2, 6) 30 ÷ 2.5 = **12 green**

(2, 7) 3.2 × 4.5 = **14.4 green**

(2, 8) 0.25 as a percentage = **25% white**

(2, 9) 52.5 – 26 = **26.5 white**

(2, 10) 0.018l in ml = **18ml green**

(2, 11) 0.01 + 0.1 + 1 + 10 = **11.11 green**

(3, 1) 16.61 rounded to 1 decimal place = **16.6 green**

(3, 2) 12 ÷ 0.8 = **15 green**

(3, 3) 4.2 × 3.8 = **15.96 green**

(3, 4) 0.133 as a percentage = **13.3% green**

(3, 5) 46 – 30.05 = **15.95 green**

(3, 6) 273mm in cm = **27.3cm white**

(3, 7) 20.8 rounded to the nearest whole number = **21 white**

(3, 8) 8.4 + 8.4 + 8.4 = **25.2 white**

(3, 9) 28.8 rounded to the nearest 10 = **30 white**

(3, 10) 10 ÷ 0.6 = **16.$\dot{6}$ green**

(3, 11) 0.14 × 100 = **14 green**

(4, 1) 0.18 as a percentage = **18% green**

(4, 2) 48.6 - 19.8 = **28.8 white**

(4, 3) 20.6 + 3.42 = **24.02 white**

(4, 4) 85 - 56.9 = **28.1 white**

(4, 5) 0.5 × 56 = **28 white**

(4, 6) 31.5 ÷ 1.5 = **21 white**

(4, 7) 0.004l in ml = **4ml black**

(4, 8) 28.5 rounded to the nearest 5 = **30 white**

(4, 9) 2.7cm in mm = **27mm white**

(4, 10) 30 - 3.2 = **26.8 white**

(4, 11) 6.2 + 4.9 = **11.1 green**

(5, 1) 3.4 × 4 = **13.6 green**

(5, 2) 50 ÷ 2.5 = **20 green**

(5, 3) Round 12.111 to the nearest whole number = **12 green**

(5, 4) 173mm in cm = **17.3cm green**

(5, 5) 24 + 2.6 = **26.6 white**

(5, 6) 100 - 78.2 = **21.8 white**

(5, 7) 6.3 × 3.9 = **24.57 white**

(5, 8) 6 ÷ 0.25 = **24 white**

(5, 9) 0.12l in ml = **120ml pink**

(5, 10) 27 300g in kg = **27.3kg white**

Secondary

(5, 11) 4.6 + 6.5 = **11.1 green**

(6, 1) 20 – 0.05 = **19.95 green**

(6, 2) 12 × 1.3 = **15.6 green**

(6, 3) 6 ÷ 0.4 = **15 green**

(6, 4) 17.8 rounded to the nearest 5 = **20 green**

(6, 5) 14.6 + 6.5 = **21.1 white**

(6, 6) 91.2 - 65 = **26.2 white**

(6, 7) 0.05 × 410 = **20.5 white**

(6, 8) 13.2 ÷ 0.6 = **22 white**

(6, 9) 1.9m in cm = **190cm pink**

(6, 10) 2.4cm in mm = **24mm white**

(6, 11) 4.8 + 9.33 = **14.13 green**

(7, 1) 30 – 18.2 = **11.8 green**

(7, 2) 6.4 × 4.1 = **26.24 white**

(7, 3) 25 - 0.43 = **24.57 white**

(7, 4) 2.5 × 8.5 = **21.25 white**

(7, 5) 8 ÷ 0.32 = **25 white**

(7, 6) Round 20.99 to 1 decimal place = **21.0 white**

(7, 7) 52mm in cm = **5.2cm black**

(7, 8) £0.29 in pence = **29p white**

(7, 9) 0.03 + 19.999 = **20.029 white**

(7, 10) 20.5 rounded to the nearest whole number = **21 white**

(7, 11) 12 687m in km = **12.687km green**

(8, 1) 5.8 + 12.8 = **18.6 green**

(8, 2) 25 - 8.5 = **16.5 green**

(8, 3) 8.1 × 1.5 = **12.15 green**

(8, 4) 4.8 ÷ 0.4 = **12 green**

(8, 5) 18.6 rounded to the nearest 10 = **20 green**

(8, 6) 30.02 - 0.03 = **29.99 white**

(8, 7) 5.6 × 4.2 = **23.52 white**

(8, 8) 12 ÷ 0.55 = **21.8$\dot{1}$ white**

(8, 9) 23.88 rounded to 1 decimal place = **23.9 white**

(8, 10) 120mm in cm = **12cm green**

(8, 11) 6.4 + 12.9 = **19.3 green**

(9, 1) 18 – 1.7 = **16.3 green**

(9, 2) 2.5 × 5.5 = **13.75 green**

(9, 3) 3.2 ÷ 0.16 = **20 green**

(9, 4) 16.843 rounded to 2 significant figures = **17 green**

(9, 5) 0.018km in m = **18m green**

(9, 6) 8.2 + 2.8 = **11 green**

(9, 7) 30.6 - 11.8 = **18.8 green**

(9, 8) 0.295m in cm = **29.5cm white**

(9, 9) 13.6 + 7.4 = **21 white**

(9, 10) 5.8 × 2 = **11.6 green**

(9, 11) 30 ÷ 2.5 = **12 green**

(10, 1) 19.5 rounded to the nearest whole number = **20 green**

(10, 2) 0.019l in ml = **19ml green**

(10, 3) 6.4 + 3.6 + 2.8 = **12.8 green**

(10, 4) 100 - 85.3 = **14.7 green**

(10, 5) 6.9 × 2 = **13.8 green**

(10, 6) 8.8 ÷ 0.8 = **11 green**

(10, 7) 17 rounded to the nearest 10 = **20 green**

(10, 8) 0.013km in m = **13m green**

(10, 9) 4 + 0.5 + 9 = **13.5 green**

(10, 10) 79 - 60.3 = **18.7 green**

(10, 11) 4.5 × 4 = **18 green**