Homework
Complements to 1

National Curriculum Objectives:

Mathematics Year 5: (5F10) Solve problems involving number up to 3dp.
Mathematics Year 5: (5M9a) Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match decimal pairs to make complements to 1. Includes tenths and hundredths only.
Expected Match decimal pairs to make complements to 1. Includes tenths, hundredths and thousandths.
Greater Depth Match partitioned decimal pairs to make complements to 1. Includes tenths, hundredths and thousandths.

Questions 2, 5 and 8 (Varied Fluency)
Developing Identify the missing decimal number when adding compliments to 1. Includes tenths and hundredths.
Expected Identify the missing decimal number when adding compliments to 1. Includes tenths, hundredths and thousands.
Greater Depth Identify the missing decimal number when adding compliments to 1 in a partitioned number. Includes tenths, hundredths and thousands.

Questions 3, 6 and 9 (Problem Solving and Reasoning)
Developing Find a set number of compliments to 1 in a grid. Includes tenths and hundredths.
Expected Find a set number of compliments to 1 in a grid. Includes tenths, hundredths and thousands.
Greater Depth Find a set number of compliments to 1 (some of which are partitioned) in a grid. Includes tenths, hundredths and thousands.

Complements to 1

1. Draw lines to match decimal numbers in the top row, with decimal numbers in the bottom row in order to make complements to 1.

0.48	0.81	0.36	0.29	0.72	0.52

0.19	0.64	0.52	0.48	0.71	0.28

D

VF
HW/Ext

2. Calculate the missing digits to complete the complements to 1.

A. 0 . 4 1 + 0 . 5 ☐ = 1

B. 0 . 6 ☐ + 0 . 3 7 = 1

C. 0 . 8 6 + 0 . ☐ 4 = 1

D. 0 . ☐ 5 + 0 . 8 5 = 1

E. 0 . 2 2 + 0 . ☐ 8 = 1

D

VF
HW/Ext

3. Circle all pairs of complements to 1 in the grid below. There are 5 pairs to find.

0.22	0.82	0.18	0.99	0.21
0.18	0.50	0.45	0.42	0.58
0.81	0.55	0.68	0.71	0.95
0.26	0.66	0.31	0.59	0.77
0.74	0.19	0.28	0.35	0.65

D

RPS
HW/Ext

Complements to 1

4. Draw lines to match decimal numbers in the top row, with decimal numbers in the bottom row in order to make complements to 1.

0.527	0.816	0.268	0.663	0.424	0.932

0.184	0.337	0.473	0.068	0.732	0.576

E

VF
HW/Ext

5. Calculate the missing digits to complete the complements to 1.

A. 0 . 5 7 3 + 0 . 4 2 ☐ = 1

B. 0 . ☐ 2 8 + 0 . 6 7 2 = 1

C. 0 . 5 1 5 + 0 . ☐ 8 5 = 1

D. 0 . 1 ☐ 6 + 0 . 8 2 4 = 1

E. 0 . 7 4 4 + 0 . 2 ☐ 6 = 1

E

VF
HW/Ext

6. Circle all pairs of complements to 1 in the grid below. There are 6 pairs to find.

0.67	0.665	0.452	0.548	0.45	0.236
0.33	0.88	0.705	0.88	0.116	0.884
0.711	0.630	0.561	0.792	0.336	0.508
0.88	0.498	0.390	0.439	0.82	0.71
0.239	0.008	0.917	0.671	0.399	0.29
0.992	0.92	0.322	0.086	0.722	0.621

E

RPS
HW/Ext

Complements to 1

7. Draw lines to match decimal numbers in the top row, with decimal numbers in the bottom row in order to make complements to 1.

4 tenths + 6 hundredths + 9 thousandths	0.615	452 thousandths	0.494	3 tenths + 7 hundredths + 4 thousandths
385 thousandths	0.5 + 0.04 + 0.008	0.531	626 thousandths	0.5 + 0.006

GD

VF
HW/Ext

8. Calculate the missing digits to complete the complements to 1.

A. 0 . 2 5 ☐ + 744 thousandths = 1

B. 0 . ☐ 3 4 + 66 thousandths = 1

C. 0 . 7 ☐ 1 + 1 tenth and 119 thousandths = 1

D. 0 . 2 ☐ 7 + 6 tenths and 153 thousandths = 1

E. 0 . ☐ 0 6 + 3 tenths and 394 thousandths = 1

GD

VF
HW/Ext

9. Circle all pairs of complements to 1 in the grid below. There are 5 pairs to find.

345 thousandths	896 thousandths	0.591	0.287	7 tenths + 13 thousandths
0.801	0.655	277 thousandths	0.823	0.424
0.581	0.932	0.036	45 thousandths	0.955
3 tenths + 119 thousandths	0.559	83 thousandths	0.986	0.144
0.919	0.166	0.968	0 tenths + 32 thousandths	0.872

GD

RPS
HW/Ext

Homework
Complements to 1

Developing

1.

0.48	0.81	0.36	0.29	0.72	0.52
0.19	0.64	0.52	0.48	0.71	0.28

2. A = 9, B = 3, C = 1, D = 1, E = 7

3.

0.22	0.82	0.18	0.99	0.21
0.18	0.50	0.45	0.42	0.58
0.81	0.55	0.68	0.71	0.95
0.26	0.66	0.31	0.59	0.77
0.74	0.19	0.28	0.35	0.65

Expected

4.

0.527	0.816	0.268	0.663	0.424	0.932
0.184	0.337	0.473	0.068	0.732	0.576

5. A = 7, B = 3, C = 4, D = 7, E = 5

6.

0.67	0.665	0.452	0.548	0.45	0.236
0.33	0.88	0.705	0.88	0.116	0.884
0.711	0.630	0.561	0.792	0.336	0.508
0.88	0.498	0.390	0.439	0.82	0.71
0.239	0.008	0.917	0.671	0.399	0.29
0.992	0.92	0.322	0.086	0.722	0.621

Greater Depth

7.

4 tenths + 6 hundredths + 9 thousandths	0.615	452 thousandths	0.494	3 tenths + 7 hundredths + 4 thousandths
385 thousandths	0.5 + 0.04 + 0.008	0.531	626 thousandths	0.5 + 0.006

8. A = 6, B = 9, C = 8, D = 4, E = 3

9.

345 thousandths	896 thousandths	0.591	0.287	7 tenths + 13 thousandths
0.801	0.655	277 thousandths	0.823	0.424
0.581	0.932	0.036	45 thousandths	0.955
3 tenths + 119 thousandths	0.559	83 thousandths	0.986	0.144
0.919	0.166	0.968	0 tenths + 32 thousandths	0.872