Planner

Adding and subtracting

- Adding and subtracting decimals
- Using addition and subtraction of decimals to solve problems

Keywords

You should know

explanation 1 online

1 Work out each sum.

a 16.3 + 7.25 **b** 0.146 + 2.59 **c** 5.23 + 11.9 + 6

d 2.31 + 17.5 + 1.47 **e** 32 + 4.76 + 12.38 **f** 0.076 + 0.14 + 2.83

2 Work out these amounts.

a £8.50 + £2.75 **b** £4.32 + £6.71

c £10 + £4.98 **d** £4.63 + £3.21 + £7.46

e £12.04 + £8.54 + 2.52 **f** £11.37 + 70p + £4.68

3 Copy and complete these calculations.

a
$$\begin{array}{r} 2.\square 8 \\ +1\square.37 \\ \hline \square 2.8\square \end{array}$$

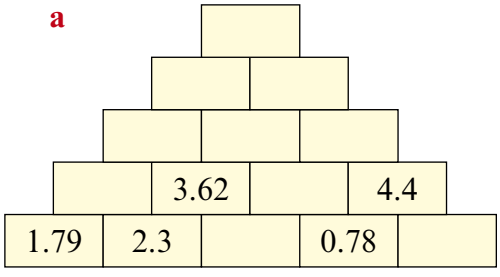
b
$$\begin{array}{r} 17.\square 9 \\ +2\square.3\square \\ \hline \square 2.04 \end{array}$$

c
$$\begin{array}{r} \square 8.\square 2 \\ +23.7\square \\ \hline 4\square.21 \end{array}$$

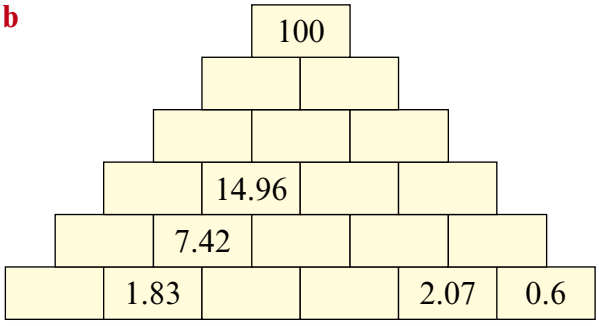
d
$$\begin{array}{r} 48.\square 3 \\ 1\square.71 \\ +\square 2.8\square \\ \hline \square 4.81 \end{array}$$

4 Copy and complete these addition pyramids.

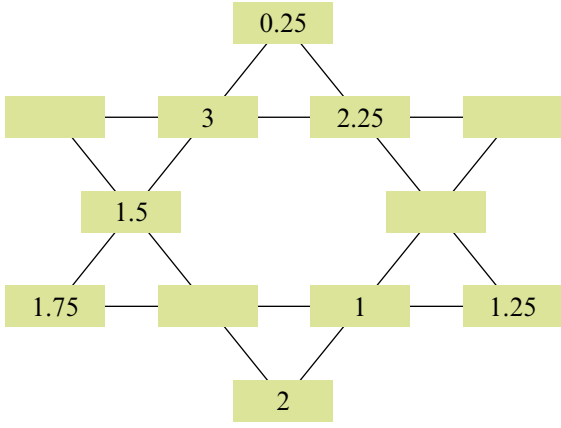
a



b



5 The diagram shows a magic star. The numbers lying on each line have the same total.



a Copy and complete the magic star using the numbers 2.5, 0.75, 2.75, 0.5.

***b** This magic star has two more properties based on sums. Find them.

explanation 2 — online

6 Work out each difference.

a 39.4 − 8.7 **b** 9.45 − 1.637 **c** 76.8 − 9.651

d 456 − 67.83 **e** 1.78 − 0.3486 **f** 234.68 − 97

7 **a** £58.20 − £7.14 **b** £13.26 − £8.42 **c** £27.50 − £11.25

d £112.49 − £14.98 **e** £257.07 − £66.47 **f** £45.87 − 98p

8 Work these out. You will have to do two calculations for each.

a 5.37 + 6.28 − 7.9 **b** 12.3 − 6.74 + 8.6

c 82.6 − 19.8 − 7.53 **d** 500 − 123.78 − 237.6

e 0.79 + 0.0286 − 0.0179 **f** 27 − 3.14 + 0.486

g 145.82 − 54.28 − 0.12 **h** 0.725 + 0.024 − 0.124

i 1.245 − 0.248 + 0.0178

9 Copy and complete these calculations.

a
$$\begin{array}{r} 9.7\square3 \\ -\,4.\square7\square \\ \hline \square.392 \end{array}$$

b
$$\begin{array}{r} \square5.\square7 \\ -\,27.1\square \\ \hline 3\square.89 \end{array}$$

c
$$\begin{array}{r} 8.1\square0 \\ -\,\square.\square3\square \\ \hline 3.154 \end{array}$$

d
$$\begin{array}{r} \square.21\square \\ -\,3.\square\square6 \\ \hline 1.853 \end{array}$$

e
$$\begin{array}{r} \square.631 \\ -\,1.4\square8 \\ \hline 1.\square0\square \end{array}$$

f
$$\begin{array}{r} 3.41\square \\ -\,\square.\square06 \\ \hline 1.9\square6 \end{array}$$

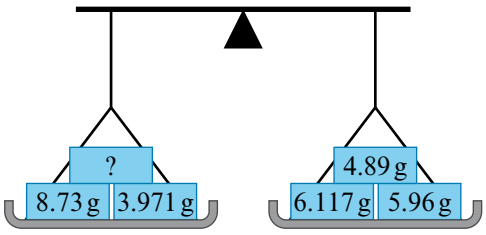
g
$$\begin{array}{r} 4.8\square2 \\ -\,\square.72\square \\ \hline 1.\square99 \end{array}$$

h
$$\begin{array}{r} \square.35\square \\ -\,1.\square61 \\ \hline 7.9\square7 \end{array}$$

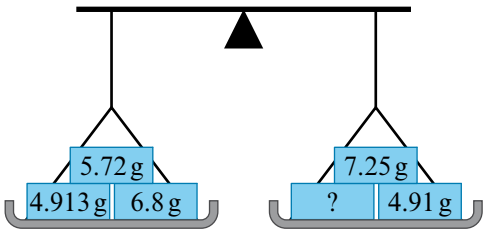
10 The diagrams below show some scales with weights given in grams.

Find the value of the missing weights to make the scales balance.

a



b



11 Four teams took part in the 4 × 100 m relay event on sports day.

The times for each leg of the race are shown in the table in seconds.

Stage	Team			
	Red	**Blue**	**Green**	**Yellow**
1st leg	14.71	15.03	15.13	14.98
2nd leg	13.92	14.79	14.64	15.16
3rd leg	15.1	14.48	14.42	14.05
4th leg	13.83	13.97	13.29	14.23

a Which team was leading at the end of the second leg?

b Which team won the race?

c What was the winning time?

d What was the difference between the times of the first two teams?

e What was the difference in times between the first and last teams?