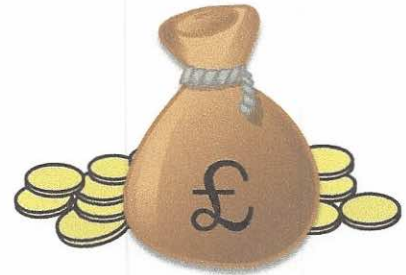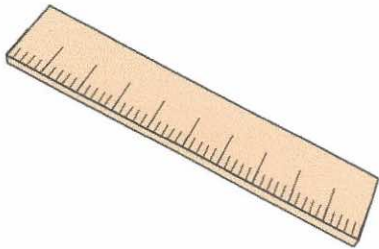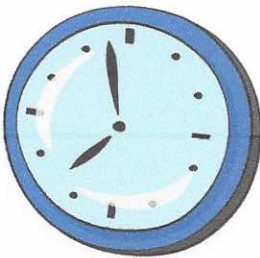Corbettmaths

Adding and Subtracting Decimals

Tips
- Read each question carefully
- Attempt every question.
- Check your answers seem right.
- Always show your workings

Recap

Remember
- There are daily questions found at

www.corbettmaths.com/5-a-day/primary

1. 3.2 + 1.4

$$\begin{array}{r} 3.2 \\ +\ 1.4 \\ \hline 4.6 \end{array}$$

4·6

2. 4.5 + 1.6

$$\begin{array}{r} 4.5 \\ +\ 1.6 \\ \hline 6.1 \end{array}$$

6·1

3. 0.9 + 0.8

$$\begin{array}{r} 0.9 \\ +\ 0.8 \\ \hline 1.7 \end{array}$$

1·7

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4. 1.3 - 0.4

$$\begin{array}{r} \overset{0}{\cancel{1}}.\overset{1}{3} \\ -\ 0.4 \\ \hline 0.9 \end{array}$$

0.9

5. 5.1 - 1.8

$$\begin{array}{r} \overset{4}{\cancel{5}}.\overset{1}{1} \\ -\ 1.8 \\ \hline 3.3 \end{array}$$

3.3

6. 17.2 - 3.9

$$\begin{array}{r} 1\overset{6}{\cancel{7}}.\overset{1}{2} \\ -\ \ \ 3.9 \\ \hline 1\ 3.3 \end{array}$$

13.3

7. 9 − 5.2

$$\begin{array}{r} {}^{8}\cancel{9}.{}^{1}0 \\ - \;\; 5.2 \\ \hline 3.8 \end{array}$$

3·8

8. 14.8 + 14.6

$$\begin{array}{r} 1\;4.8 \\ +\;1\;4.6 \\ \hline 2\;9.4 \end{array}$$

29·4

9. 0.8 + 1.6 + 0.9

$$\begin{array}{r} 0.8 \\ 1.6 \\ +\;0.9 \\ \hline 3.3 \end{array}$$

3·3

10. Two decimal numbers add together to equal 2

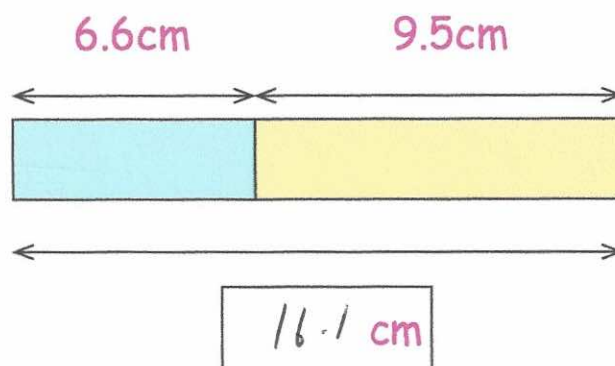One of the numbers is 1.4

What is the other number?

$$1.4 + 0.6 = 2$$

0.6

11.

6.6cm   9.5cm

16.1 cm

Work out the total length of the two blocks

$$\begin{array}{r} 9.5 \\ + \; 6.6 \\ \hline 16.1 \end{array}$$

16.1 cm

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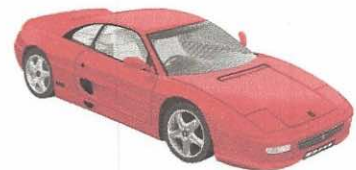
12. The numbers in this sequence increase by the same amount each time

$$1.3 - 0.7 = 0.6$$

+0·6

0.7   1.3   1.9   2·5   3.1   3·7

---

13. Dani drives 4.8 miles to Bristol and then further 6.7 miles to Bath.

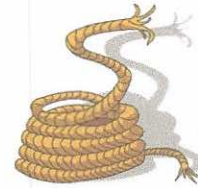Work out how far Dani drove in total

$$\begin{array}{r} 6.7 \\ + \ 4.8 \\ \hline 11.5 \end{array}$$

11·5 miles

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14. Lucy cuts **8** metres of rope into **three** pieces.

The first piece of rope is 2.7 metres.

The second piece of rope is 0.9 metres.

> Work out the length of the third piece of rope

$$
\begin{array}{r}
2.7 \\
+ \; 0.9 \\
\hline
3.6
\end{array}
\qquad
\begin{array}{r}
\overset{7}{\cancel{8}}.\overset{1}{0} \\
- \; 3.6 \\
\hline
4.4
\end{array}
$$

| 4.4 | m |

---

15. > 0.14 + 0.67

$$
\begin{array}{r}
0.6\,7 \\
+ \; 0.1\,4 \\
\hline
0.8\,1
\end{array}
$$

| 0.81 |

16. 2.49 + 1.98

$$
\begin{array}{r}
2.4\ 9 \\
+\ 1.9\ 8 \\
\hline
4.4\ 7
\end{array}
$$

4·47

17. 8.77 + 3.81

$$
\begin{array}{r}
8.7\ 7 \\
+\ 3.8\ 1 \\
\hline
1\ 2.5\ 8
\end{array}
$$

12·58

18. 6.5 + 1.73

$$
\begin{array}{r}
6.5\ 0 \\
+\ 1.7\ 3 \\
\hline
8.2\ 3
\end{array}
$$

8·23

19. 1.08 + 2.6

$$
\begin{array}{r}
1.08 \\
+\ 2.60 \\
\hline
3.68
\end{array}
$$

3·68

20. 0.95 - 0.29

$$
\begin{array}{r}
0.\overset{8}{9}{}^{1}5 \\
-\ 0.29 \\
\hline
0.66
\end{array}
$$

0·66

21. 65.37 + 25.7

$$
\begin{array}{r}
{}^{5}\overset{4}{6}{}^{1}5.37 \\
-\ 25.70 \\
\hline
39.67
\end{array}
$$

39·67

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22. 9.2 - 0.45

$$
\begin{array}{r}
\overset{8}{\cancel{9}} \cdot \overset{1}{2} \overset{1}{0} \\
- \ 0 \cdot 4 \ 5 \\
\hline
8 \cdot 7 \ 5
\end{array}
$$

8·75

23. 5.36 - 3.7

$$
\begin{array}{r}
\overset{4}{\cancel{5}} \cdot \overset{1}{3} \ 6 \\
- \ 3 \cdot 7 \ 0 \\
\hline
1 \cdot 6 \ 6
\end{array}
$$

1·66

24. Kyle buys a notebook that costs £6.75 and a pen that costs £1.49.

Work out the total cost

$$
\begin{array}{r}
6 \cdot 7 \ 5 \\
+ \ 1 \cdot 4 \ 9 \\
\hline
8 \cdot 2 \ 4
\end{array}
$$

£ 8·24

25. Josie has 1.2 kilograms of flour.
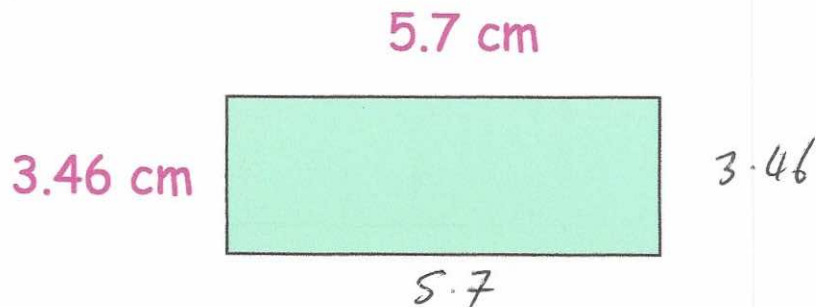
She uses 0.75 kilogram of the flour to make a cake

How much flour does she have left?

$$\begin{array}{r} \overset{0}{1}.\overset{1}{2}\overset{1}{0} \\ 0.75 \\ \hline 0.45 \end{array}$$

| 0.45 | kg |

26.

5.7 cm

3.46 cm   3.46

5.7

What is the perimeter of this rectangle?

$$\begin{array}{r} 5.70 \\ 5.70 \\ 3.46 \\ +\ 3.46 \\ \hline 18.32 \end{array}$$

| 18.32 | cm |

27. Rhys buys 3 magazines.

The first magazine cost £4.99
The second magazine cost £3.45
The third magazine cost £4.80

He pays with a £20 note.

Work out how much change Rhys should receive

$$
\begin{array}{r}
4 \cdot 99 \\
3 \cdot 45 \\
+\ 4 \cdot 80 \\
\hline
13 \cdot 24
\end{array}
$$

$$
\begin{array}{r}
20 \cdot 80 \\
13 \cdot 24 \\
\hline
6 \cdot 76
\end{array}
$$

£ 6·76

28. The mass of a 2p coin is 7.1g

The mass of a 1p coin is half the mass of a 2p coin.

What is the mass of these four coins altogether?

$$7.1 \div 2 = 3.55$$

$$
\begin{array}{r}
7.1 \\
7.1 \\
+\ 7.1 \\
\hline
21.3
\end{array}
$$

$$
\begin{array}{r}
21.30 \\
+\ 3.55 \\
\hline
24.85
\end{array}
$$

24.85 g

29. 16.97 + 37.418

```
  1 6 · 9 7 0
+ 3 7 · 4 1 8
  5 4 · 3 8 8
```

54.388

30. 0.84 + 0.451 + 1.9

```
  0 · 8 4 0
  0 · 4 5 1
+ 1 · 9 0 0
  3 · 1 9 1
```

3.191

31. 88.3 - 52.28

```
  8 8 · 3 0
- 5 2 · 2 8
  3 6 · 0 2
```

36.02

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32. 39.45 - 6.061

$$
\begin{array}{r}
3\,9 \cdot \overset{3}{\cancel{4}}\,\overset{^{1}4}{\cancel{5}}\,\overset{1}{0} \\
-\quad 6 \cdot 0\,6\,1 \\
\hline
3\,3 \cdot 3\,8\,9
\end{array}
$$

33.389

33. 4 – 2.746

$$
\begin{array}{r}
\overset{3}{\cancel{4}} \cdot \overset{9}{\cancel{0}}\,\overset{9}{\cancel{0}}\,\overset{1}{0} \\
-\quad 2 \cdot 7\,4\,6 \\
\hline
1 \cdot 2\,5\,4
\end{array}
$$

1.254

34. 3.109 + 12.85 + 432.1

$$
\begin{array}{r}
3 \cdot 1\,0\,9 \\
1\,2 \cdot 8\,5\,0 \\
+\,4\,3\,2 \cdot 1\,0\,0 \\
\hline
4\,4\,8 \cdot 0\,5\,9
\end{array}
$$

448.059