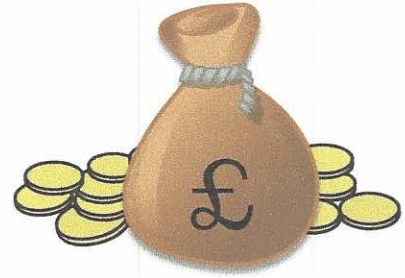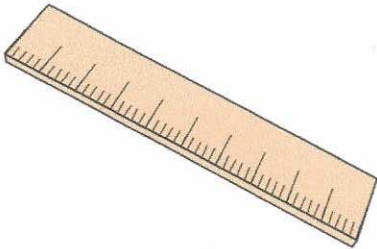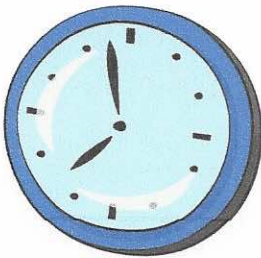Corbettmaths

Decimals: Multiplication

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. **1.2 x 4**

$$
\begin{array}{r}
1 \cdot 2 \\
\times \quad 4 \\
\hline
4 \cdot 8
\end{array}
$$

$$\boxed{4 \cdot 8}$$

2. **0.6 x 6**

$$
\begin{array}{r}
0 \cdot 6 \\
\times \quad 6 \\
\hline
3 \cdot 6
\end{array}
$$

$$\boxed{3 \cdot 6}$$

3. **7.3 x 3**

$$
\begin{array}{r}
7 \cdot 3 \\
\times \quad 3 \\
\hline
2 1 \cdot 9
\end{array}
$$

$$\boxed{2 1 \cdot 9}$$

4. **5 x 2.9**

$$\begin{array}{r} 2.9 \\ \times\ 5 \\ \hline 14.5 \end{array}$$

14.5

5. **8 x 0.3**

$$\begin{array}{r} 0.3 \\ \times\ 8 \\ \hline 2.4 \end{array}$$

2.4

6. **0.8 x 9**

$$\begin{array}{r} 0.8 \\ \times\ 9 \\ \hline 7.2 \end{array}$$

7.2

7.　8.4 x 7

$$
\begin{array}{r}
8{\cdot}4 \\
\times\ 7 \\
\hline
5\ 8{\cdot}8
\end{array}
$$

58·8

8.　12.9 x 3

$$
\begin{array}{r}
1\ 2{\cdot}9 \\
\times\ _2\ 3 \\
\hline
3\ 8{\cdot}7
\end{array}
$$

38.7

9.　1.26 x 5

$$
\begin{array}{r}
1{\cdot}2\ 6 \\
\times\ _3\ 5 \\
\hline
6{\cdot}3\ 0
\end{array}
$$

6·3

10.

0.38 x 6

$$\begin{array}{r} 0 \cdot 3\ 8 \\ {}_{2}\times\ \ _{4}\ 6 \\ \hline 2 \cdot 2\ 8 \end{array}$$

2.28

---

11. Lauren has 5 pieces of rope.

Each piece of rope is 0.9 metres long.

Work out the total length of the 5 pieces of rope

$$\begin{array}{r} 0 \cdot 9 \\ \times\ 5 \\ {}_{4} \\ \hline 4 \cdot 5 \end{array}$$

4.5 m

12.

Input

1.7 $\longrightarrow$ x 6 $\longrightarrow$?
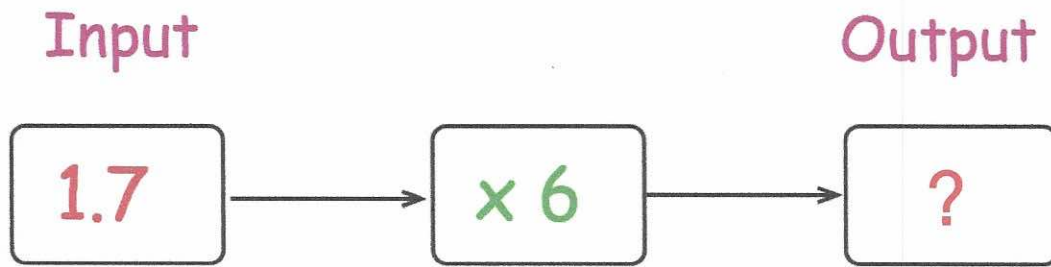
Output

Work out the output

$$
\begin{array}{r}
1.7 \\
\times\ 6 \\
\hline
10.2
\end{array}
$$

10.2

---

13. Regan is paid £7.30 an hour.

He works 4 hours in a week

Work out how much Regan is paid

$$
\begin{array}{r}
7.30 \\
\times\ \ \ 4 \\
\hline
29.20
\end{array}
$$

£ 29.20

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Work out the product of 1.73 and 6

$$
\begin{array}{r}
1.73 \\
\times 6 \\
\hline
10.38
\end{array}
$$

$$\boxed{10.38}$$

---

15. A bottle of cola costs £1.55

Work out the total cost of 8 bottles

$$
\begin{array}{r}
1.55 \\
\times 8 \\
\hline
12.40
\end{array}
$$

$$\boxed{\text{£ } 12.40}$$

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16. Mr and Mrs Hughes bring their 5 children to a museum

Adult	£15.65 each
Children	£4.90 each

Work out the total cost for the family

$$
\begin{array}{r}
15.65 \\
\times\ \ .2 \\
\hline
31.30
\end{array}
\qquad
\begin{array}{r}
4.90 \\
\times\ \ 5 \\
\hline
24.50
\end{array}
$$

$$
\begin{array}{r}
31.30 \\
24.50 \\
\hline
55.80
\end{array}
$$

£55.80

17. 0.6 x 20

$$\begin{array}{r} 0 \cdot 6 \\ \times \ 20 \\ \hline 1\ 2 \cdot 0 \end{array}$$

12

18. 30 x 0.7

$$\begin{array}{r} 0 \cdot 7 \\ \times \ 30 \\ \hline 2\ 1 \cdot 0 \end{array}$$

21

19. 2.4 x 40

$$\begin{array}{r} 2 \cdot 4 \\ \times \ 40 \\ \hline 9\ 6 \cdot 0 \end{array}$$

96

20. 0.8 x 200

$$\begin{array}{r} 0.8 \\ \times\ 2\ 0\ 0 \\ \hline 1\ 6\ 0\ .\ 0 \end{array}$$

160

21. 5.3 x 500

$$\begin{array}{r} 5.3 \\ \times\ 5\ 0\ 0 \\ \hline 2\ 6\ 5\ 0\ .\ 0 \end{array}$$

2650

22. 0.5 x 26

$$\begin{array}{r} 0.5 \\ \times\ 2\ 6 \\ \hline 3.0 \\ 1\ 0.0 \\ \hline 1\ 3.0 \end{array}$$

13

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23. 15 x 4.1

```
      4 · 1
  ×   1   5
  2 0 · 5
  4 1 · 0
  6 1 · 5
```

61.5

24. 3.9 x 12

```
      3 · 9
  ×   1   2
      7 · 8
  3 9 · 0
  4 6 · 8
```

46.8

25. 23 x 5.8

```
      5 · 8
  ×   2   3
  1 7 · 4
1 1 6 · 0
1 3 3 · 4
```

133.4

26. Class 5A are going on a trip to a windmill

The trip costs £2.40 and there are 30 students going on the trip.
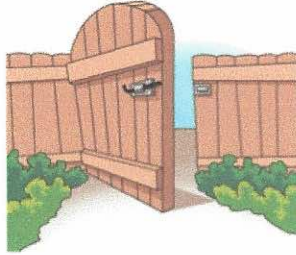
How much money should be collected?

$$
\begin{array}{r}
2.40 \\
\times \quad 30 \\
\hline
72.00
\end{array}
$$

£ 72

27. Chloe is building a fence for her garden.

The fence costs £7.20 per metre to build.
The fence is 15 metres long.

Work out the total cost of building the fence

$$
\begin{array}{r}
7.20 \\
\times \quad 15 \\
\hline
3\,6.0\,0 \\
7\,2.0\,0 \\
\hline
1\,0\,8.0\,0 \\
\end{array}
$$

£ 108