

Multiplying Decimals

Solve these calculations using a written method.

$$\begin{array}{r} \text{a) } 25.4 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 19.3 \\ \times \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{c) } 21.5 \\ \times \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{d) } 34.2 \\ \times \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 48.3 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{f) } 124.5 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{g) } 217.6 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{h) } 205.2 \\ \times \quad 3 \\ \hline \\ \hline \end{array}$$

Solve the following calculations:

$$\text{i) } 65.2 \times 2 = \quad \text{n) } 119.4 \times 3 =$$

$$\text{j) } 48.3 \times 3 = \quad \text{o) } 234.8 \times 4 =$$

$$\text{k) } 52.4 \times 8 = \quad \text{p) } 88.7 \times 9 =$$

$$\text{l) } 112.3 \times 4 =$$

$$\text{m) } 74.6 \times 5 =$$

Solve these word problems:

q) It takes 16.4 metres to make a pair of curtains. How many metres of fabric is needed to make 8 pairs of curtains?

r) Sam earns £12.60 for doing his Saturday morning paper round. How much does he earn after doing the paper round for 4 weeks?

s) A house is 25.5 metres wide. 6 terraced houses are built in a row. What is the total width of all 6 houses?

Multiplying Decimals Answers

Solve these calculations using a written method.

$$\begin{array}{r} \text{a) } 25.4 \\ \times \quad 4 \\ \hline \mathbf{101.6} \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 19.3 \\ \times \quad 3 \\ \hline \mathbf{57.9} \\ \hline \end{array}$$

$$\begin{array}{r} \text{c) } 21.5 \\ \times \quad 8 \\ \hline \mathbf{172} \\ \hline \end{array}$$

$$\begin{array}{r} \text{d) } 34.2 \\ \times \quad 5 \\ \hline \mathbf{171} \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 48.3 \\ \times \quad 4 \\ \hline \mathbf{193.2} \\ \hline \end{array}$$

$$\begin{array}{r} \text{f) } 124.5 \\ \times \quad 6 \\ \hline \mathbf{747} \\ \hline \end{array}$$

$$\begin{array}{r} \text{g) } 217.6 \\ \times \quad 4 \\ \hline \mathbf{870.4} \\ \hline \end{array}$$

$$\begin{array}{r} \text{h) } 205.2 \\ \times \quad 3 \\ \hline \mathbf{615.6} \\ \hline \end{array}$$

Solve the following calculations:

- i) $65.2 \times 2 =$ **130.4**
j) $48.3 \times 3 =$ **144.9**
k) $52.4 \times 8 =$ **419.2**
l) $112.3 \times 4 =$ **449.2**
m) $74.6 \times 5 =$ **373**
- n) $119.4 \times 3 =$ **358.2**
o) $234.8 \times 4 =$ **939.2**
p) $88.7 \times 9 =$ **798.3**

Solve these word problems:

- q) It takes 16.4 metres to make a pair of curtains. How many metres of fabric is needed to make 8 pairs of curtains?
131.2 metres
- r) Sam earns £12.60 for doing his Saturday morning paper round. How much does he earn after doing the paper round for 4 weeks?
£50.40
- s) A house is 25.5 metres wide. 6 terraced houses are built in a row. What is the total width of all 6 houses?
153 metres

Multiplying Decimals

Solve these calculations using a written method.

a) 156.4	b) 345.9	c) 268.6	d) 62.13	e) 34.65	f) 29.13	g) 42.15	h) 89.95	i) 76.84
$\times \quad 6$	$\times \quad 4$	$\times \quad 3$	$\times \quad 5$	$\times \quad 4$	$\times \quad 8$	$\times \quad 7$	$\times \quad 5$	$\times \quad 3$
_____	_____	_____	_____	_____	_____	_____	_____	_____

Solve the following calculations:

Solve these word problems:

j) $423.4 \times 6 =$ o) $75.65 \times 3 =$

k) $362.5 \times 4 =$ p) $64.08 \times 4 =$

l) $32.68 \times 5 =$ q) $95.42 \times 8 =$

m) $63.05 \times 7 =$

n) $86.25 \times 6 =$

r) It takes 16.24 metres to make a pair of curtains. How many metres of fabric is needed to make 8 pairs of curtains?

s) Sam earns £25.65 working in the local newsagents each Saturday. How much does he earn after working for 5 weekends in a row?

t) A house is 32.45 metres wide. 6 terraced houses are built in a row. What is the total width of all 6 houses?

Multiplying Decimals Answers

Solve these calculations using a written method.

a) 156.4	b) 345.9	c) 268.6	d) 62.13	e) 34.65	f) 29.13	g) 42.15	h) 89.95	i) 76.84
$\begin{array}{r} \times 6 \\ \hline 938.4 \\ \hline \end{array}$	$\begin{array}{r} \times 4 \\ \hline 1383.6 \\ \hline \end{array}$	$\begin{array}{r} \times 3 \\ \hline 805.8 \\ \hline \end{array}$	$\begin{array}{r} \times 5 \\ \hline 310.65 \\ \hline \end{array}$	$\begin{array}{r} \times 4 \\ \hline 138.6 \\ \hline \end{array}$	$\begin{array}{r} \times 8 \\ \hline 233.04 \\ \hline \end{array}$	$\begin{array}{r} \times 7 \\ \hline 295.05 \\ \hline \end{array}$	$\begin{array}{r} \times 5 \\ \hline 449.75 \\ \hline \end{array}$	$\begin{array}{r} \times 3 \\ \hline 230.52 \\ \hline \end{array}$

Solve the following calculations:

j) $423.4 \times 6 =$	o) $75.65 \times 3 =$
2540.4	226.95
k) $362.5 \times 4 =$	p) $64.08 \times 4 =$
1450	256.32
l) $32.68 \times 5 =$	q) $95.42 \times 8 =$
163.4	763.36
m) $63.05 \times 7 =$	
441.35	
n) $86.25 \times 6 =$	
517.5	

Solve these word problems:

r) It takes 16.24 metres to make a pair of curtains. How many metres of fabric is needed to make 8 pairs of curtains? 129.92 metres
s) Sam earns £25.65 working in the local newsagents each Saturday. How much does he earn after working for 5 weekends in a row? £128.25
t) A house is 32.45 metres wide. 6 terraced houses are built in a row. What is the total width of all 6 houses? 194.7 metres

Multiplying Decimals

Solve these calculations using a written method.

$$\begin{array}{r} \text{a) } 29.87 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 46.57 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{c) } 45.7 \\ \times \quad 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{d) } 63.4 \\ \times \quad 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 83.5 \\ \times \quad 33 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{f) } 65.42 \\ \times \quad 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{g) } 49.23 \\ \times \quad 22 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{h) } 67.05 \\ \times \quad 34 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{i) } 70.43 \\ \times \quad 28 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{j) } 25.43 \\ \times \quad 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{k) } 82.16 \\ \times \quad 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{l) } 78.42 \\ \times \quad 56 \\ \hline \\ \hline \end{array}$$

Solve the following calculations:

$$\text{m) } 87.34 \times 7 =$$

$$\text{p) } 85.62 \times 42 =$$

$$\text{s) } 90.27 \times 62 =$$

$$\text{n) } 34.08 \times 34 =$$

$$\text{q) } 28.64 \times 44 =$$

$$\text{t) } 87.22 \times 74 =$$

$$\text{o) } 56.24 \times 23 =$$

$$\text{r) } 75.38 \times 26 =$$

Multiplying Decimals

Solve these word problems:

u) It takes 26.45 metres to make a pair of curtains. How many metres of fabric is needed to make 8 pairs of curtains?

v) The seamstress has 250 metres of fabric. How much will she have left over?

w) Sam earns £32.68 working in the local newsagents each Saturday morning. How much does he earn after 12 weeks?

x) Train tickets from London to Southampton cost £42.67 for adults and £28.75 for children. How much will it cost for a group of 21 adults and 14 children to travel to Southampton?

Multiplying Decimals Answers

Solve these calculations using a written method.

$$\begin{array}{r} \text{a) } 29.87 \\ \times \quad 6 \\ \hline \mathbf{179.22} \end{array}$$

$$\begin{array}{r} \text{b) } 46.57 \\ \times \quad 4 \\ \hline \mathbf{186.28} \end{array}$$

$$\begin{array}{r} \text{c) } 45.7 \\ \times \quad 16 \\ \hline \mathbf{731.2} \end{array}$$

$$\begin{array}{r} \text{d) } 63.4 \\ \times \quad 23 \\ \hline \mathbf{1458.2} \end{array}$$

$$\begin{array}{r} \text{e) } 83.5 \\ \times \quad 33 \\ \hline \mathbf{2755.5} \end{array}$$

$$\begin{array}{r} \text{f) } 65.42 \\ \times \quad 15 \\ \hline \mathbf{981.3} \end{array}$$

$$\begin{array}{r} \text{g) } 49.23 \\ \times \quad 22 \\ \hline \mathbf{1083.06} \end{array}$$

$$\begin{array}{r} \text{h) } 67.05 \\ \times \quad 34 \\ \hline \mathbf{2279.7} \end{array}$$

$$\begin{array}{r} \text{i) } 70.43 \\ \times \quad 28 \\ \hline \mathbf{1972.04} \end{array}$$

$$\begin{array}{r} \text{j) } 25.43 \\ \times \quad 45 \\ \hline \mathbf{1144.35} \end{array}$$

$$\begin{array}{r} \text{k) } 82.16 \\ \times \quad 31 \\ \hline \mathbf{2546.96} \end{array}$$

$$\begin{array}{r} \text{l) } 78.42 \\ \times \quad 56 \\ \hline \mathbf{4391.52} \end{array}$$

Solve the following calculations:

$$\begin{array}{l} \text{m) } 87.34 \times 7 = \\ \mathbf{611.38} \end{array}$$

$$\begin{array}{l} \text{n) } 34.08 \times 34 = \\ \mathbf{1158.72} \end{array}$$

$$\begin{array}{l} \text{o) } 56.24 \times 23 = \\ \mathbf{1293.52} \end{array}$$

$$\begin{array}{l} \text{p) } 85.62 \times 42 = \\ \mathbf{3596.04} \end{array}$$

$$\begin{array}{l} \text{q) } 28.64 \times 44 = \\ \mathbf{1260.16} \end{array}$$

$$\begin{array}{l} \text{r) } 75.38 \times 26 = \\ \mathbf{1959.88} \end{array}$$

$$\begin{array}{l} \text{s) } 90.27 \times 62 = \\ \mathbf{5596.74} \end{array}$$

$$\begin{array}{l} \text{t) } 87.22 \times 74 = \\ \mathbf{6454.28} \end{array}$$

Multiplying Decimals Answers

Solve these word problems:

u) It takes 26.45 metres to make a pair of curtains. How many metres of fabric is needed to make 8 pairs of curtains?

211.6 metres

v) The seamstress has 250 metres of fabric. How much will she have left over?

38.4 metres

w) Sam earns £32.68 working in the local newsagents each Saturday morning. How much does he earn after 12 weeks?

£392.16

x) Train tickets from London to Southampton cost £42.67 for adults and £28.75 for children. How much will it cost for a group of 21 adults and 14 children to travel to Southampton? weeks?

$(£42.67 \times 21 = £896.07) + (£28.75 \times 14 = £402.50) = £1298.57$