Multiplying Decimals

Solve these calculations using a written method.

a) 25.4
×   4
———
———

b) 19.3
×   3
———
———

c) 21.5
×   8
———
———

d) 34.2
×   5
———
———

e) 48.3
×   4
———
———

f) 124.5
×   6
———
———

g) 217.6
×   4
———
———

h) 205.2
×   3
———
———

Solve the following calculations:

i) $65.2 \times 2 =$

j) $48.3 \times 3 =$

k) $52.4 \times 8 =$

l) $112.3 \times 4 =$

m) $74.6 \times 5 =$

n) $119.4 \times 3 =$

o) $234.8 \times 4 =$

p) $88.7 \times 9 =$

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.

a) 25.4	b) 19.3	c) 21.5	d) 34.2	e) 48.3	f) 124.5	g) 217.6	h) 205.2
× 4	× 3	× 8	× 5	× 4	× 6	× 4	× 3
101.6	**57.9**	**172**	**171**	**193.2**	**747**	**870.4**	**615.6**

Solve the following calculations:

i) 65.2 × 2 =

130.4

j) 48.3 × 3 =

144.9

k) 52.4 × 8 =

419.2

l) 112.3 × 4 =

449.2

m) 74.6 × 5 =

373

n) 119.4 × 3 =

358.2

o) 234.8 × 4 =

939.2

p) 88.7 × 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 × 6	b) 345.9 × 4	c) 268.6 × 3	d) 62.13 × 5	e) 34.65 × 4	f) 29.13 × 8	g) 42.15 × 7	h) 89.95 × 5	i) 76.84 × 3

Solve the following calculations:

j) 423.4 × 6 =

o) 75.65 × 3 =

k) 362.5 × 4 =

p) 64.08 × 4 =

l) 32.68 × 5 =

q) 95.42 × 8 =

m) 63.05 × 7 =

n) 86.25 × 6 =

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?

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
× 6	× 4	× 3	× 5	× 4	× 8	× 7	× 5	× 3
938.4	**1383.6**	**805.8**	**310.65**	**138.6**	**233.04**	**295.05**	**449.75**	**230.52**

Solve the following calculations:

j) 423.4 × 6 =

2540.4

k) 362.5 × 4 =

1450

l) 32.68 × 5 =

163.4

m) 63.05 × 7 =

441.35

n) 86.25 × 6 =

517.5

o) 75.65 × 3 =

226.95

p) 64.08 × 4 =

256.32

q) 95.42 × 8 =

763.36

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.

a) 29.87	b) 46.57	c) 45.7	d) 63.4	e) 83.5	f) 65.42	g) 49.23	h) 67.05
× 6	× 4	× 16	× 23	× 33	× 15	× 22	× 34

i) 70.43	j) 25.43	k) 82.16	l) 78.42
× 28	× 45	× 31	× 56

Solve the following calculations:

m) 87.34 × 7 =

_____

n) 34.08 × 34 =

_____

o) 56.24 × 23 =

_____

p) 85.62 × 42 =

_____

q) 28.64 × 44 =

_____

r) 75.38 × 26 =

_____

s) 90.27 × 62 =

_____

t) 87.22 × 74 =

_____

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? weeks?

_____

Multiplying Decimals **Answers**

Solve these calculations using a written method.

a) 29.87
× 6
179.22

b) 46.57
× 4
186.28

c) 45.7
× 16
731.2

d) 63.4
× 23
1458.2

e) 83.5
× 33
2755.5

f) 65.42
× 15
981.3

g) 49.23
× 22
1083.06

h) 67.05
× 34
2279.7

i) 70.43
× 28
1972.04

j) 25.43
× 45
1144.35

k) 82.16
× 31
2546.96

l) 78.42
× 56
4391.52

Solve the following calculations:

m) 87.34 × 7 =
611.38

n) 34.08 × 34 =
1158.72

o) 56.24 × 23 =
1293.52

p) 85.62 × 42 =
3596.04

q) 28.64 × 44 =
1260.16

r) 75.38 × 26 =
1959.88

s) 90.27 × 62 =
5596.74

t) 87.22 × 74 =
6454.28

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 × 21 = £896.07) + (£28.75 × 14 = £402.50) = £1298.57