



Worksheet

Name:

Subject:

Math- Multiplication WS

Class:

Date:

Q1) Calculate the answer of the following:

$9 \times 600 = 5400$	$1 \times 600 = 600$
$6 \times 70 = 420$	$2 \times 70 = 140$
$8 \times 200 = 1600$	$8 \times 900 = 7200$
$2 \times 30 = 60$	$8 \times 80 = 640$
$5 \times 70 = 350$	$9 \times 700 = 6300$
$8 \times 300 = 2400$	$9 \times 50 = 450$
$9 \times 200 = 1800$	$6 \times 400 = 2400$
$2 \times 900 = 1800$	$5 \times 300 = 1500$
$7 \times 70 = 490$	$6 \times 90 = 540$
$9 \times 90 = 810$	$4 \times 50 = 200$
$4 \times 500 = 2000$	$3 \times 20 = 60$

Q2) Find the value of the following:

a) $52 \times 4 = 208$

		5	2
			4
	2	0	8

b) $753 \times 9 = 6777$

	7	5	3
			9
	6	7	7

c) $962 \times 6 = 5772$

	9	6	2
			6
	5	7	7

d) $369 \times 8 = 2952$

	3	6	9
			8
	2	9	5

e) $4527 \times 3 = 13581$

	4	5	2	7
				3
	1	3	5	8

Q3) A baker uses 1355 kg of flour every day.

Calculate how much flour the baker uses in 7 days.

1	3	5	5
			7

9485

kg [1]

Q4) Find the product of the following:

a) $852 \times 7 = 5964$

	8	5	2
			7
	5	9	6

b) $459 \times 2 = 918$

4	5	9
.		2
9	1	8

c) $729 \times 8 = 5832$

	7	2	9
			8
	5	8	3

d) $355 \times 5 = 1775$

	3	5	5
			5
	1	7	7

e) $7512 \times 2 = 15024$

	7	5	1	2
				2
	1	5	0	2

f) $2105 \times 6 = 12630$

	2	1	0	5
				6
	1	2	6	3

Q5) Calculate the following:

a) $425 \times 15 = 6375$

$$\begin{array}{r}
 & & 4 & 2 & 5 \\
 \times & & & & 1 & 5 \\
 \hline
 & + & 2 & 1 & 2 & 5 \\
 & + & 4 & 2 & 5 & 0 \\
 \hline
 = & 6 & 3 & 7 & 5
 \end{array}$$

b) $236 \times 14 = 3304$

$$\begin{array}{r}
 & & 2 & 3 & 6 \\
 \times & & & & 1 & 4 \\
 \hline
 & + & & 9 & 4 & 4 \\
 & + & 2 & 3 & 6 & 0 \\
 \hline
 = & 3 & 3 & 0 & 4
 \end{array}$$

c) $528 \times 37 = 19536$

$$\begin{array}{r}
 & & 5 & 2 & 8 \\
 \times & & & & 3 & 7 \\
 \hline
 & + & 3 & 6 & 9 & 6 \\
 & + & 1 & 5 & 8 & 4 & 0 \\
 \hline
 = & 1 & 9 & 5 & 3 & 6
 \end{array}$$

d) $125 \times 91 = 11375$

$$\begin{array}{r}
 & & 1 & 2 & 5 \\
 \times & & & & 9 & 1 \\
 \hline
 & + & & 1 & 2 & 5 \\
 & + & 1 & 1 & 2 & 5 & 0 \\
 \hline
 = & 1 & 1 & 3 & 7 & 5
 \end{array}$$

e) $257 \times 63 = 16191$

$$\begin{array}{r}
 & & 2 & 5 & 7 \\
 \times & & & & 6 & 3 \\
 \hline
 & + & & 7 & 7 & 1 \\
 & + & 1 & 5 & 4 & 2 & 0 \\
 \hline
 = & 1 & 6 & 1 & 9 & 1
 \end{array}$$

f) $233 \times 48 = 11184$

$$\begin{array}{r}
 & & 2 & 3 & 3 \\
 \times & & & & 4 & 8 \\
 \hline
 & + & & 1 & 8 & 6 & 4 \\
 & + & 9 & 3 & 2 & 0 \\
 \hline
 = & 1 & 1 & 1 & 8 & 4
 \end{array}$$

g) $525 \times 22 = 11550$

$$\begin{array}{r}
 & & 5 & 2 & 5 \\
 \times & & & & 2 & 2 \\
 \hline
 & + & 1 & 0 & 5 & 0 \\
 & + & 1 & 0 & 5 & 0 & 0 \\
 \hline
 = & 1 & 1 & 5 & 5 & 0
 \end{array}$$

Q6) Calculate the following:

h) $614 \times 35 = 21490$

	6	1	4
\times		3	5
<hr/>			
+	3	0	7
+	1	8	4
=	2	1	4
	9	0	

i) $412 \times 13 = 5356$

	4	1	2
\times		1	3
<hr/>			
+	1	2	3
+	4	1	2
=	5	3	5
	6		

j) $241 \times 72 = 17352$

	2	4	1
\times		7	2
<hr/>			
+	4	8	2
+	1	6	8
=	1	7	3
	5	2	

k) $892 \times 11 = 9812$

	8	9	2
\times		1	1
<hr/>			
+	8	9	2
+	8	9	2
=	9	8	1
	2		

l) $722 \times 23 = 16606$

	7	2	2
\times		2	3
<hr/>			
+	2	1	6
+	1	4	4
=	1	6	6
	0	6	

m) $846 \times 45 = 38070$

	8	4	6
\times		4	5
<hr/>			
+	4	2	3
+	3	3	8
=	3	8	0
	7	0	

n) $369 \times 33 = 12177$

	3	6	9
\times		3	3
<hr/>			
+	1	1	0
+	1	1	0
=	1	2	1
	7	7	

Q7) Find the value of the following

a) $216 \times 16 = \underline{\hspace{2cm}}$

			2	1	6
\times				1	6
$+$		1	2	9	6
$+$	2	1	6	0	
$=$		3	4	5	6

b) $134 \times 27 = \underline{\hspace{2cm}}$

			1	3	4
\times				2	7
$+$		9	3	8	
$+$	2	6	8	0	
$=$		3	6	1	8

c) $450 \times 49 = \underline{\hspace{2cm}}$

			4	5	0	
\times				4	9	
$+$		4	0	5	0	
$+$	1	8	0	0	0	
$=$		2	2	0	5	0

d) $213 \times 55 = \underline{\hspace{2cm}}$

			2	1	3	
\times				5	5	
$+$		1	0	6	5	
$+$	1	0	6	5	0	
$=$		1	1	7	1	5

e) $673 \times 18 = \underline{\hspace{2cm}}$

			6	7	3	
\times				1	8	
$+$		5	3	8	4	
$+$	6	7	3	0		
$=$		1	2	1	1	4

There's 1 total decimal places in both numbers.

Q8) Calculate the value of the following:

a) $7.2 \times 2 = 14.4$

			7	2
x				2
+			1	4
=			1	4

Ignore the decimal places and complete the multiplication as if operating on two integers.

b) $1.25 \times 5 = 6.25$

1	2	5
		5
6	2	5

Rewrite the product with 1 total decimal places.

Answer = 14.4

c) $34.5 \times 3 = 103.5$

3	4	5
		3
1	0	3

d) $1.44 \times 2 = 2.88$

1	4	4
		2
2	8	8

e) $85.4 \times 23 = 1964.2$

	8	5	4
x			2
+	2	5	6
+	1	7	0
=	1	9	6

	1	2	1
x			2
+	4	8	4
+	2	4	2
=	2	9	0

f) $1.21 \times 24 = 29.04$

	1	8	3
x		1	5
+	9	1	5
+	1	8	3
=	2	7	4

Q9) Calculate the following:

a) $24.3 \times 3.6 = 87.48$

$$\begin{array}{r}
 & & 2 & 4 & 3 \\
 \times & & & 3 & 6 \\
 \hline
 & & 1 & 4 & 5 & 8 \\
 + & & 7 & 2 & 9 \\
 \hline
 = & 8 & 7 & 4 & 8
 \end{array}$$

b) $15.6 \times 1.3 = 20.28$

$$\begin{array}{r}
 & & 1 & 5 & 6 \\
 \times & & & 1 & 3 \\
 \hline
 & & 4 & 6 & 8 \\
 + & & 1 & 5 & 6 \\
 \hline
 = & 2 & 0 & 2 & 8
 \end{array}$$

c) $1.28 \times 4.1 = 5.248$

$$\begin{array}{r}
 & & 1 & 2 & 8 \\
 \times & & & 4 & 1 \\
 \hline
 & & 1 & 2 & 8 \\
 + & & 5 & 1 & 2 \\
 \hline
 = & 5 & 2 & 4 & 8
 \end{array}$$

d) $25.2 \times 6.5 = 163.80$

$$\begin{array}{r}
 & & 2 & 5 & 2 \\
 \times & & & 6 & 5 \\
 \hline
 & & 1 & 2 & 6 & 0 \\
 + & & 1 & 5 & 1 & 2 \\
 \hline
 = & 1 & 6 & 3 & 8 & 0
 \end{array}$$

e) $18.9 \times 3.2 = 60.48$

$$\begin{array}{r}
 & & 1 & 8 & 9 \\
 \times & & & 3 & 2 \\
 \hline
 & & 3 & 7 & 8 \\
 + & & 5 & 6 & 7 \\
 \hline
 = & 6 & 0 & 4 & 8
 \end{array}$$

f) $27.5 \times 5 = 137.5$

$$\begin{array}{r}
 & & 2 & 7 & 5 \\
 & & & & 5 \\
 \hline
 & & 1 & 3 & 7 & 5
 \end{array}$$

g) $30.6 \times 1.9 = 58.14$

$$\begin{array}{r}
 & & 3 & 0 & 6 \\
 \times & & & 1 & 9 \\
 \hline
 & & 2 & 7 & 5 & 4 \\
 + & & 3 & 0 & 6 \\
 \hline
 = & 5 & 8 & 1 & 4
 \end{array}$$

Q10)

Lily has some identical wooden cubes.
The length of each edge of a cube is 4.5 cm.

Lily builds a tower 8 cubes tall.



There's 1 total decimal places in both numbers.

Ignore the decimal places and complete the multiplication as if operating on two integers.

$$\begin{array}{r} & & 4 & 5 \\ \times & & & 8 \\ \hline & + & 3 & 6 & 0 \\ = & & 3 & 6 & 0 \end{array}$$

Rewrite the product with 1 total decimal places.

Answer = 36.0

Calculate the height of the tower.

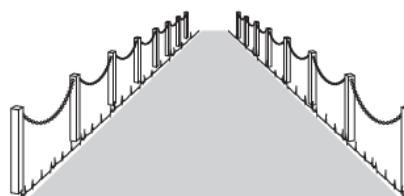
36

..... cm [1]

Q11)

Ahmed fixes chains between some posts.

The length of each chain is 1.8 metres.
He uses 14 chains.



There's 1 total decimal places in both numbers.

Ignore the decimal places and complete the multiplication as if operating on two integers.

$$\begin{array}{r} & & 1 & 8 \\ \times & & 1 & 4 \\ \hline & + & 7 & 2 \\ & + & 1 & 8 \\ \hline = & & 2 & 5 & 2 \end{array}$$

Calculate the total length of chain Ahmed uses.

Rewrite the product with 1 total decimal places.

Answer = 25.2

Therefore:

$$1.8 \times 14 = 25.2$$

25.2

..... metres [1]

Q12) A shop sells ribbons.

The length of each ribbon is 3.87 metres.

Calculate the total length of 6 ribbons.

There's **2** total decimal places in both numbers.

Ignore the decimal places and complete the multiplication as if operating on two integers.

$$\begin{array}{r} & & 3 & 8 & 7 \\ \times & & & & 6 \\ \hline + & 2 & 3 & 2 & 2 \\ \hline = & 2 & 3 & 2 & 2 \end{array}$$

23.22

..... metres [1]

Rewrite the product with **2** total decimal places.

Answer = 23.22

Therefore:

$$3.87 \times 6 = 23.22$$