

1 Copy and write the missing numbers.

a) $34 + 25 = \boxed{}$

b) $52 - \boxed{} = 26$

c) $74 + 38 = \boxed{}$

d) $\boxed{} - 45 = 27$

e) $64 - 18 = \boxed{}$

f) $53 + \boxed{} = 92$

g) $72 \div \boxed{} = 9$

h) $\boxed{} \times 3 = 24$

i) $6 \times \boxed{} = 42$

j) $45 \div \boxed{} = 5$

k) $\boxed{} \times 3 = 18$

l) $\boxed{} \div 8 = 7$

1 Write the answer for each of these.

a) $(37 - 13) + 4 =$

b) $84 - (17 + 32) =$

c) $(43 - 15) \times 2 =$

d) $56 - (48 - 19) =$

e) $3 \times (29 - 15) =$

f) $(14 + 56) \div 2 =$

g) $(48 + 83) - (53 + 45) =$

h) $(9 \times 4) \div (23 - 19) =$

i) $(57 - 39) + (93 - 66) =$

j) $(6 \times 15) \div (94 - 84) =$

5 Copy these statements. Use $<$, $>$ or $=$ to make each statement true.

a) $(4 \times 5) + (12 \div 4)$

$(8 + 6) + (3 \times 3)$

b) $24 - (8 \times 2) + 4$

$(4 \times 5) - (3 \times 4)$

c) $(4 \times 6) - (14 \div 7) + 8$

$6 \times (18 \div 3) - 4$

d) $(8 + 14) - (6 \times 3)$

$(6 + 9) + (28 - 23)$

1 Add these in your head.

a) $69 + 87$

b) $87 + 58$

c) $73 + 68$

d) $97 + 46$

e) $109 + 324$

f) $634 + 291$

g) $472 + 283$

h) $659 + 314$

2 Subtract these in your head.

a) $93 - 67$

b) $59 - 38$

c) $84 - 56$

d) $95 - 49$

e) $154 - 129$

f) $579 - 384$

g) $219 - 167$

h) $683 - 468$

Answer these.

a) What is 38 multiplied by 24?

b) Multiply 56 by itself.

c) What number is 48 times greater than 80?

d) What is the product of 234 and 62?

e) What is 387 multiplied by 46?

f) What is 39 times 493?

1 Answer these. Remember to estimate an answer first.

- a) What is 489 342 added to 342 098?
- b) What is the sum of 548 192 and 267 209?
- c) Add together 3 290 037 and 1 692 205.
- d) What is the total of 416 239, 294 998 and 187 409?
- e) What is the difference between 592 344 and 143 908?
- f) Subtract 210 955 from 649 209.
- g) What is 3 402 996 less than 7 821 009?
- h) What is 7 093 855 take away 4 523 108?

2 Use these numbers to answer the problems.



- a) What is the total of all the even numbers?
- b) What is the total of all the odd numbers?
- c) What is the largest total that can be made by adding two of these numbers?
- d) Which three numbers have a total of 9 060 609?
- e) What is the difference between the largest and smallest numbers?
- f) What is the difference between the two odd numbers?
- g) Which two numbers have a difference of 41 214?

1 Add these mentally.

- a) $0.5 + 0.6 =$
- d) $0.2 + 0.8 =$
- g) $8.9 + 0.1 =$
- j) $9.7 + 0.9 =$

- b) $0.9 + 0.4 =$
- e) $0.6 + 0.7 =$
- h) $10.2 + 0.5 =$
- k) $9.6 + 1.4 =$

- c) $0.7 + 0.7 =$
- f) $0.8 + 0.7 =$
- i) $10.8 + 0.3 =$
- l) $8.5 + 1.9 =$

2 Copy and complete these decimal additions.

a)
$$\begin{array}{r} 13.2 \\ + 7.4 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 26.6 \\ + 1.9 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 32.5 \\ + 9.5 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 104.7 \\ + 3.8 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 128.5 \\ + 4.6 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 256.9 \\ + 72.3 \\ \hline \end{array}$$

3 Answer these.

- a) What is 21.7 added to 345.6?
- c) Add 314.9 to 247.8.
- e) What is 765.4 added to 384.9?

- b) What is 74.2 more than 39.5?
- d) What is the total of 67.8 and 291.7?
- f) Total 385.6 and 934.1

4 Copy and complete these decimal additions.

a)
$$\begin{array}{r} 17.4 \\ 18.2 \\ + 19.5 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 3.7 \\ 15.6 \\ + 38.9 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 215.1 \\ 58.8 \\ + 30.3 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 124.6 \\ 62.5 \\ + 23.2 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 209.4 \\ 151.7 \\ + 89.1 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 268.3 \\ 80.5 \\ + 67.6 \\ \hline \end{array}$$

Answer these additions. Line up the decimal points.

a) $32.48 + 18.45$

b) $56.37 + 20.97$

c) $41.64 + 43.89$

d) $16.06 + 65.65$

e) $78.27 + 18.99$

f) $34.96 + 37.67$

$$\begin{array}{r} \$12.42 \\ + 6.81 \\ \hline \$19.23 \end{array}$$

$$\begin{array}{r} \$73.21 \\ - 14.19 \\ \hline \$59.02 \end{array}$$

If you add and subtract money in this way, make sure the columns are in line.



1 Answer these mentally.

a) $1.8 - 0.4 =$

b) $3.6 - 0.8 =$

c) $17.9 - 5.5 =$

d) $22.3 - 1.7 =$

e) $45.7 - 9.3 =$

f) $30.1 - 6.2 =$

g) $9.9 - 0.7 =$

h) $10.2 - 0.4 =$

i) $11.5 - 2.5 =$

j) $10.3 - 1.8 =$

k) $11.1 - 2.3 =$

l) $10.6 - 1.9 =$

Copy and complete these subtractions.

a)
$$\begin{array}{r} 77.86 \\ - 34.84 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 90.52 \\ - 43.29 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 65.19 \\ - 27.43 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 58.03 \\ - 16.25 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 41.49 \\ - 35.66 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 82.37 \\ - 62.28 \\ \hline \end{array}$$

1 Copy and complete.

a) $8 \times 2 =$
 $0.8 \times 2 =$

b) $3 \times 3 =$
 $0.3 \times 3 =$

c) $2 \times 4 =$
 $0.2 \times 4 =$

d) $7 \times 6 =$
 $0.7 \times 6 =$

e) $4 \times 8 =$
 $0.4 \times 8 =$

f) $5 \times 9 =$
 $0.5 \times 9 =$

g) $7 \times 7 =$
 $0.7 \times 7 =$

h) $4 \times 5 =$
 $0.4 \times 5 =$

i) $6 \times 3 =$
 $0.6 \times 3 =$

2 Copy and write $<$, $>$ or $=$ between each amount.

a) $0.3\text{m} \times 5$

$0.4\text{m} \times 4$

c) $0.7\text{km} \times 4$

$0.3\text{km} \times 9$

e) $0.6\text{ litres} \times 6$

$0.4\text{ litres} \times 9$

g) $0.9\text{ kg} \times 6$

$0.8\text{kg} \times 7$

b) $0.5\text{kg} \times 6$

$0.6\text{kg} \times 5$

d) $0.3\text{ litres} \times 7$

$0.5\text{ litres} \times 4$

f) $0.7\text{m} \times 5$

$0.6\text{m} \times 7$

h) $0.2\text{km} \times 8$

$0.6\text{km} \times 2$

1 Copy and complete these. Use Method 1.

$$\begin{aligned} \text{a) } 2.3 \times 5 &= (2 \times 5) + (0.3 \times 5) \\ &= \square + \square \\ &= \square \end{aligned}$$

$$\begin{aligned} \text{b) } 1.6 \times 9 &= (\square \times \square) + (\square \times \square) \\ &= \square + \square \\ &= \square \end{aligned}$$

$$\begin{aligned} \text{c) } 4.2 \times 7 &= (\square \times \square) + (\square \times \square) \\ &= \square + \square \\ &= \square \end{aligned}$$

$$\begin{aligned} \text{d) } 3.5 \times 8 &= (\square \times \square) + (\square \times \square) \\ &= \square + \square \\ &= \square \end{aligned}$$

$$\begin{aligned} \text{e) } 1.9 \times 3 &= (\square \times \square) + (\square \times \square) \\ &= \square + \square \\ &= \square \end{aligned}$$

$$\begin{aligned} \text{f) } 5.8 \times 2 &= (\square \times \square) + (\square \times \square) \\ &= \square + \square \\ &= \square \end{aligned}$$

62

2 Copy and complete these using Method 2.

$$\begin{array}{r} \text{a) } 43.5 \\ \times \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 22.8 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{c) } 31.9 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{d) } 54.8 \\ \times \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 67.3 \\ \times \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{f) } 95.2 \\ \times \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{g) } 51.7 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{h) } 86.4 \\ \times \quad 2 \\ \hline \\ \hline \end{array}$$

1 Copy and complete.

a) 4.67×5

b) 4.56×8

c) 8.25×9

d) 8.29×7

e) 1.94×6

f) 6.31×8

g) 9.13×2

h) 5.04×4

i) 5.62×6

j) 3.75×3

k) 7.39×9

l) 2.07×5

1 Copy and complete these multiplications.

a) 2.6×25

$$\begin{array}{r} 2.6 \\ \times 25 \\ \hline \end{array}$$

(26 $\times$ 20)
(26 $\times$ 5)

 $2.6 \times 25 =$

b) 3.4×17

$$\begin{array}{r} 3.4 \\ \times 17 \\ \hline \end{array}$$

(34 $\times$ 10)
(34 $\times$ 7)

 $3.4 \times 17 =$

c) 5.8×12

$$\begin{array}{r} 5.8 \\ \times 12 \\ \hline \end{array}$$

(58 $\times$ 10)
(58 $\times$ 2)

 $5.8 \times 12 =$

d) 7.2×26

$$\begin{array}{r} 7.2 \\ \times 26 \\ \hline \end{array}$$

(72 $\times$ 20)
(72 $\times$ 6)

 $7.2 \times 26 =$

e) 3.9×24

$$\begin{array}{r} 3.9 \\ \times 24 \\ \hline \end{array}$$

(39 $\times$ 20)
(39 $\times$ 4)

 $3.9 \times 24 =$

f) 6.3×1.4

$$\begin{array}{r} 6.3 \\ \times 1.4 \\ \hline \end{array}$$

(63 $\times$ 10)
(63 $\times$ 4)

 $6.3 \times 1.4 =$

Remember

A line can go on forever in both directions.

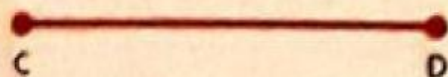


A line segment is a part of a line that has two end points.



This line segment is $\overline{CD}$.

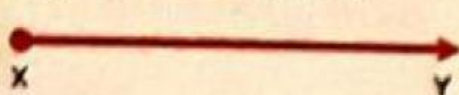
C and D are the two end points.



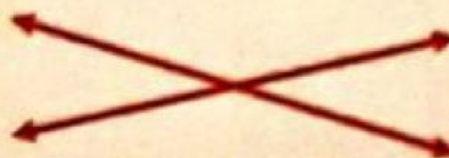
A ray is part of a line. It has one end point and the other end goes on and on forever.



This ray is $\overrightarrow{XY}$.



Intersecting lines always cross each other somewhere.



- 1 Name each of the following.
Choose from one of these.

ray line line segment intersecting lines

a)



b)



c)



d)



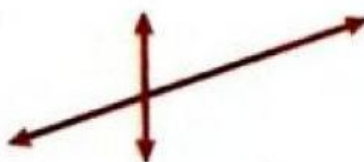
e)



f)



g)



h)



2

Write whether these are examples of lines, segments or rays.
Use the letters to name them.

a)



b)



c)



d)



e)



f)



g)



h)



1 Look at the pictures below. Decide whether the red lines are parallel or perpendicular.

a)



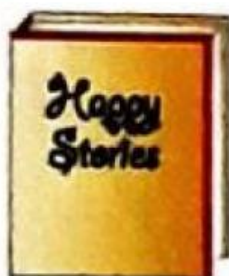
b)



c)



d)



e)



f)

