

1 Compare the expressions without calculating its values. Use $<$, $>$, $=$

$$(38 + 47) \times 0 \text{ _____ } 0 \times 23$$

$$185 \times 1 \text{ _____ } 2 \times 185$$

$$(15 - 7) \times 5 \text{ _____ } 5 \times (15 - 7)$$

$$(138 + 465) \times 3 \text{ _____ } (465 + 138) \times 4$$

2 Calculate:

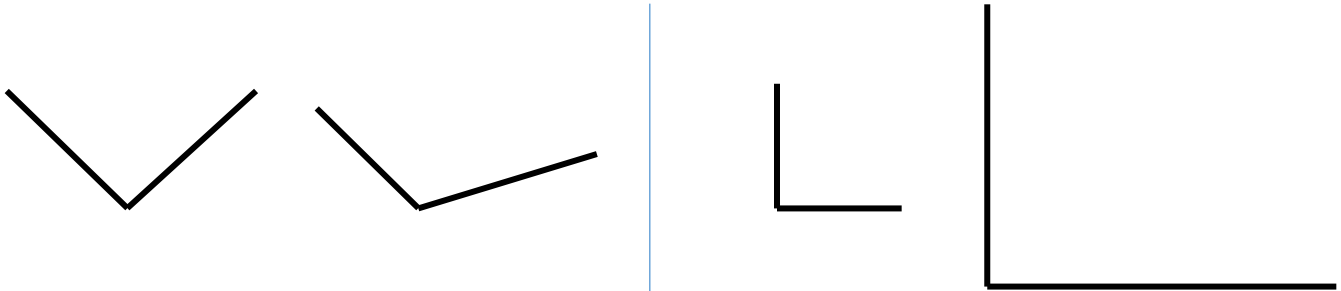
$$5\text{m} - 34\text{dm} = \underline{\hspace{10cm}}$$

$$10\text{dm} - 86\text{cm} = \underline{\hspace{10cm}}$$

$$100\text{cm} - 1\text{dm } 9\text{cm} = \underline{\hspace{10cm}}$$

$$8\text{dm} - 18\text{cm} = \underline{\hspace{10cm}}$$

3 Compare angles without measuring them. Use signs “=”, “<”, and “>”:



4 There are some books on the shelf. The 4th grade math textbook is 5th from the left and 17th from the right. How many books are there on the shelf?

5 Find the sum using the most convenient method.

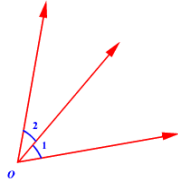
a) $3 + 6 + 9 + 12 + 15 + 18 =$ _____

b) $2 + 4 + 6 + \dots + 48 =$ _____

6 Steven reads a 100-page book. On the 1st day, he read 15 pages, on the 2nd day – 3 times more than on the first day. How many more pages are left for him to read to finish the book?

7

Definition: Two angles are Adjacent when they have a common side and a common vertex (corner point) and don't overlap.

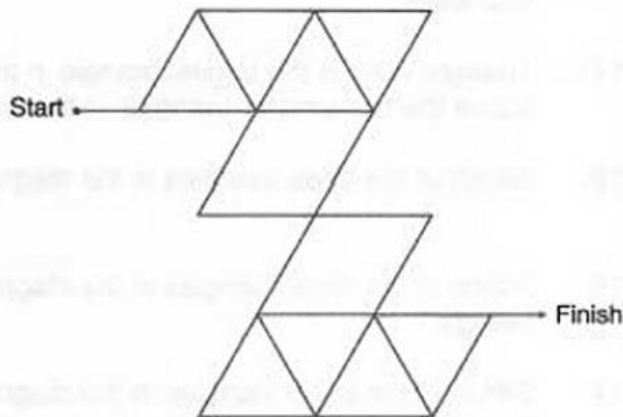


a) Draw 2 adjacent acute angles in such a way that the result angle also will be acute.
Name each angle with 3 letters.

b) Draw 2 adjacent acute angles in such a way that the result angle will be obtuse.
Name each angle with 3 letters.

8

Complete the angle maze below by tracing a path from start to finish. Use only obtuse angles.



9

Calculate: (write in the vertical form):

a) $621 - 189 =$

b) $777 - 558$

c) $1,064 + 2,307 =$

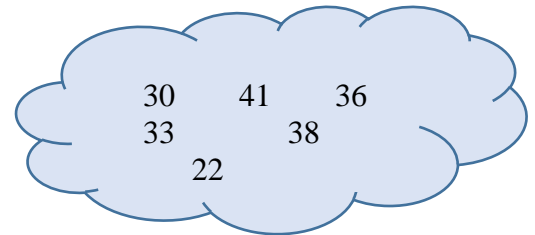


10

Pick a number from the cloud to make these statements correct. Use each number only once.

$\underline{\hspace{2cm}} < 32$ $32 < \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} > 23$

$23 > \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} < 39$ $\underline{\hspace{2cm}} > 35$



11

Collect the like items to simplify:

$126 + 62 - b - a - 32 + 2a + 2b - a - b = \underline{\hspace{4cm}}$

$258 + a + 5a - 100 = \underline{\hspace{4cm}}$

$33 + 537 - a + 4 - a + 7a = \underline{\hspace{4cm}}$

12

Multiply each number by 10:

$6 \times 10 =$

$22 \times 10 =$

$16 \times 10 =$

$58 \times 10 =$

13

Write down the two-digit multiples of 9 in a list. Look for the pattern in the digits. What happens when you add the digits in each number? $\underline{\hspace{4cm}}$

14

There are only 6 pieces of ropes with the lengths: 7m, 9m, 42m, 58m, 126m and 133m.

You can only buy two ropes at a time. Which two ropes do you need to measure each of these distances:

a) 75m $\underline{\hspace{4cm}}$ b) 175m $\underline{\hspace{4cm}}$ c) 84m $\underline{\hspace{4cm}}$

d) 68m $\underline{\hspace{4cm}}$ e) 117m $\underline{\hspace{4cm}}$ f) 135m $\underline{\hspace{4cm}}$

15

Rewrite each addition problem as multiplication and solve.

$9 + 9 + 9 + 9 + 9 =$ _____

$3 + 3 + 3 + 3 + 3 + 3 + 3 =$ _____

$6 + 6 + 6 + 6 + 6 =$ _____

$4 + 4 + 4 =$ _____

16

Complete the multiplication facts in the wheels below. Some answers have already been filled in.

