

Whole numbers. Multiplication

Activities

1. Write the following multiplications as repeat additions as in the example:

$$3 \cdot 5 = 3 + 3 + 3 + 3 + 3 = 15$$

- a) $2 \cdot 4 =$
- b) $3 \cdot 6 =$
- c) $4 \cdot 5 =$
- d) $5 \cdot 7 =$

2. Calculate:

- a) $21 \cdot 2$ b) $11 \cdot 11$ c) $7 \cdot 13$
- d) $9 \cdot 8$ e) $123 \cdot 2$ f) $13 \cdot 13$

3. Calculate:

- a) $14 \cdot 10$ b) $14 \cdot 100$ c) $14 \cdot 1000$
- d) $333 \cdot 10$ e) $333 \cdot 100$ f) $333 \cdot 1000$
- g) $5 \cdot 10$ h) $5 \cdot 100$ i) $5 \cdot 1000$

4. Calculate and compare the results:

- a) $4 \cdot 3$ a') $3 \cdot 4$
- b) $6 \cdot 5$ b') $5 \cdot 6$
- c) $12 \cdot 9$ c') $9 \cdot 12$

Name the property that explains these results.

5. Calculate and compare the results:

- a) $5 \cdot (3 + 2)$ a') $5 \cdot 3 + 5 \cdot 2$
- b) $4 \cdot (10 + 9)$ b') $4 \cdot 10 + 4 \cdot 9$
- c) $10 \cdot (11 - 1)$ c') $10 \cdot 11 - 10 \cdot 1$
- d) $21 \cdot (4 - 2)$ d') $21 \cdot 4 - 21 \cdot 2$

Name the property that explains these results.

6. Calculate using the distributive property and doing the calculations in parenthesis first. Do you get the same results?.

- e) $5 \cdot (2 + 6) =$
- f) $10 \cdot (12 - 2) =$
- g) $11 \cdot (11 - 1) =$
- h) $26 \cdot (9 + 1) =$

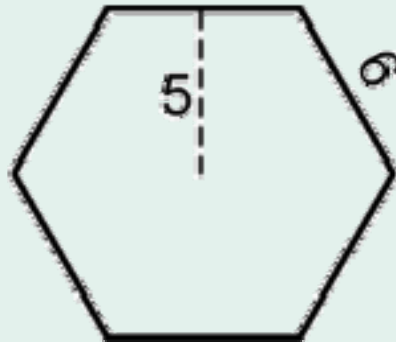
7. Calculate:

- a) The number of seconds in one hour.
- b) The number of seconds in one day.
- c) The number of seconds in the month of October.

8. Count your heartbeats for 15 seconds. Calculate the number of heartbeats for one minute. Determine the number of heartbeats for one hour, one day and one year.

9. There are 5,280 feet in a mile. How many feet are there in ten miles? - And in one hundred miles?

10. Find the area of the following shape:



11. Cordoba's Mosque is 174m long and 128m Wide. Calculate its total area in metres squared.

