Challenge questions

1. Multiply 14 x 6. Then multiply 28 x 6. Can you explain what you notice?
2. Look at these multiplication pairs. Find the numbers that fit.
   1. \_\_ x 30 = \_\_ x 40.
   2. \_\_ x 50 = \_\_ x 20
3. If the answer to \_\_ \_\_ x \_\_ is an odd number, what do we know about the numbers in each of the boxes? Can we say for definite that any of the box digits are odd or even?
4. Which is more, 3 x 43 or 4 x 34. Estimate before you work it out.
5. Multiply 13 by 3. Multiply 14 x 3, then 15 x 3. Look at your answers – what do you notice?
6. ME x 4 = PET

Each letter is a different digit. Find which digits M, E, P and T stand for.

Challenge questions

1. Multiply 14 x 6. Then multiply 28 x 6. Can you explain what you notice?
2. Look at these multiplication pairs. Find the numbers that fit.
   1. \_\_ x 30 = \_\_ x 40.
   2. \_\_ x 50 = \_\_ x 20
3. If the answer to \_\_ \_\_ x \_\_ is an odd number, what do we know about the numbers in each of the boxes? Can we say for definite that any of the box digits are odd or even?
4. Which is more, 3 x 43 or 4 x 34. Estimate before you work it out.

Challenge questions

1. Multiply 14 x 6. Then multiply 28 x 6. Can you explain what you notice?
2. Look at these multiplication pairs. Find the numbers that fit.
   1. \_\_ x 30 = \_\_ x 40.
   2. \_\_ x 50 = \_\_ x 20
3. If the answer to \_\_ \_\_ x \_\_ is an odd number, what do we know about the numbers in each of the boxes? Can we say for definite that any of the box digits are odd or even?
4. Which is more, 3 x 43 or 4 x 34. Estimate before you work it out.
5. Multiply 13 by 3. Multiply 14 x 3, then 15 x 3. Look at your answers – what do you notice?
6. ME x 4 = PET

Each letter is a different digit. Find which digits M, E, P and T stand for.

Challenge questions

1. Multiply 14 x 6. Then multiply 28 x 6. Can you explain what you notice?
2. Look at these multiplication pairs. Find the numbers that fit.
   1. \_\_ x 30 = \_\_ x 40.
   2. \_\_ x 50 = \_\_ x 20
3. If the answer to \_\_ \_\_ x \_\_ is an odd number, what do we know about the numbers in each of the boxes? Can we say for definite that any of the box digits are odd or even?
4. Which is more, 3 x 43 or 4 x 34. Estimate before you work it out.