

Grade 3 · Multiplying by Multiples of 10 · Quiz

Common Core 3.NBT.A.3 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

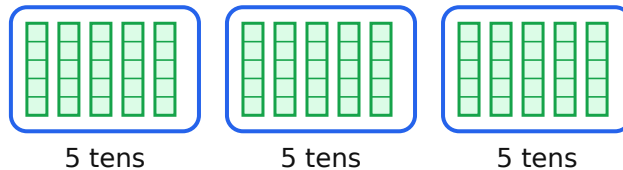
Try these 10 multiple-choice questions on multiplying by multiples of 10. Pick the one correct answer for each question. Read the short explanation after each answer to learn from any mistake.

Grade 3 Common Core: 3.NBT.A.3

Questions

Question 1

Each rod is worth 10. What is the total value of the rods?



3 boxes with 5 tens in each box.

- A. 15
- B. 1,500
- C. 80
- D. 150

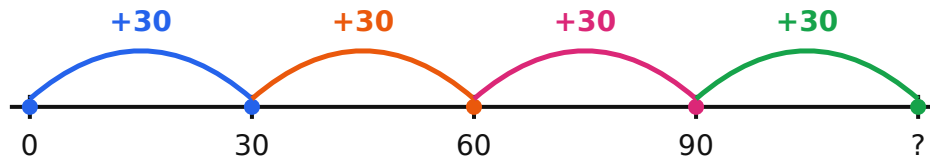
Question 2

What is 6×70 ?

- A. 42
- B. 4,200
- C. 76
- D. 420

Question 3

The number line starts at 0. Where do the 4 jumps end?



Four jumps of 30.

- A. 120
- B. 12
- C. 90
- D. 150

Question 4

Which basic fact helps you find 5×80 ?

- A. 5×5
- B. 5×8
- C. 8×8
- D. 50×8

Question 5

Which number makes this true? $9 \times [\text{?}] = 540$

- A. 60
- B. 6
- C. 600
- D. 49

Question 6

Each square is worth 10. What is the total value of the grid?

8 tens in each row

	10	10	10	10	10	10	10	10
	10	10	10	10	10	10	10	10
5	10	10	10	10	10	10	10	10
rows	10	10	10	10	10	10	10	10
	10	10	10	10	10	10	10	10

5 rows of 8 tens.

- A. 40

- B. 400
- C. 130
- D. 4,000

Question 7

Which product is the greatest?

- A. 5×70
- B. 4×90
- C. 6×50
- D. 8×40

Question 8

Noah has 8 boxes of crayons. Each box has 30 crayons. How many crayons does he have?

- A. 24
- B. 38
- C. 240
- D. 2,400

Question 9

A Little League gives each of its 7 teams 40 baseballs. How many baseballs is that?

- A. 280
- B. 28
- C. 47
- D. 2,800

Question 10

A trail is 60 yards long. Liam walks it 9 times. How many yards does he walk?

- A. 54
- B. 69
- C. 540
- D. 5,400

Answer key

1. **D** – 3 boxes with 5 tens is 15 tens, and 15 tens is 150. The answer 15 forgets that each rod is worth 10.
2. **D** – $6 \times 7 = 42$, and 42 tens is 420. The answer 42 forgets the tens.
3. **A** – 4 jumps of 30 is $4 \times 30 = 120$. The answer 12 forgets that 3 is 3 tens.
4. **B** – 80 is 8 tens, so use $5 \times 8 = 40$. Then 40 tens is 400.
5. **A** – 540 is 54 tens, and $9 \times 6 = 54$. So the missing number is 60.
6. **B** – 5 rows of 8 tens is $5 \times 8 = 40$ tens. 40 tens is 400.
7. **B** – $4 \times 90 = 360$, $5 \times 70 = 350$, $6 \times 50 = 300$, and $8 \times 40 = 320$. The greatest is 360.
8. **C** – $8 \times 3 = 24$, and 24 tens is 240 crayons.
9. **A** – $7 \times 4 = 28$, and 28 tens is 280 baseballs.
10. **C** – $9 \times 6 = 54$, and 54 tens is 540 yards.

Remember:

- A multiple of 10, like 40, is a number of tens: 40 is 4 tens.
- Multiply the basic fact first: $6 \times 4 = 24$, so $6 \times 40 = 240$.
- The product is the number of tens written as a regular number.
- Skip counting by tens and drawing arrays can check the product.