Homework/Extension
Step 1: Multiply by 10

National Curriculum Objectives:

Mathematics Year 4: (4C6a) Recall multiplication and division facts for multiplication tables up to 12 × 12

Mathematics Year 4: (4C6b) Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Complete an inequality statement. Using multiplying up to 3-digit numbers by 10. Using pictorial representations.
Expected Complete an inequality statement. Using multiplying up to 3-digit numbers by 10, including using knowledge of commutative law. Using pictorial representations.
Greater Depth Complete an inequality statement. Using multiplying up to 3-digit numbers by 10 including using knowledge of commutative law. Using pictorial representations and some use of unconventional partitioning.

Questions 2, 5 and 8 (Varied Fluency)
Developing Decide who is correct when multiplying up to 3-digit numbers by 10. Using pictorial representations.
Expected Decide who is correct when multiplying up to 3-digit numbers by 10 including using knowledge of commutative law. Using pictorial representations.
Greater Depth Decide who is correct when multiplying up to 3-digit numbers by 10 including using knowledge of commutative law. Using pictorial representations and some use of unconventional partitioning.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Explain whether a statement is correct by solving a two-step problem when multiplying up to 3-digit numbers by 10. Using pictorial representations.
Expected Explain whether a statement is correct by solving a two-step problem when multiplying up to 3-digit numbers by 10. Including using knowledge of commutative law. Using pictorial representations.
**Greater Depth** Explain whether a statement is correct by solving a three-step problem when multiplying up to 3-digit numbers by 10. Including using knowledge of commutative law and unconventional partitioning.
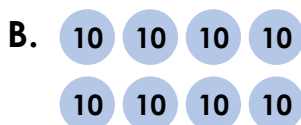
More Year 4 Multiplication and Division resources.

Did you like this resource? Don't forget to review it on our website.

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Multiply by 10

1. Complete the inequality statement using the options below.
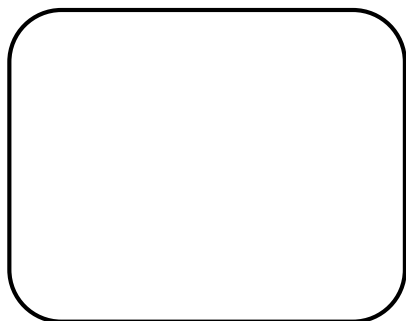
Tens	Ones
10 10	
10 10	
10 10	
10 10	

> [ ] **>** [ ]

A. (7 coins)

B. 10 10 10 10
10 10 10 10

C. 13 lots of 10

⭐ D

2. Lily and Bobby are discussing the sticks in the bundles below.

Lily: I think the bundles show 7 lots of 10 sticks.

Bobby: I think the bundles show 8 lots of 10 sticks.

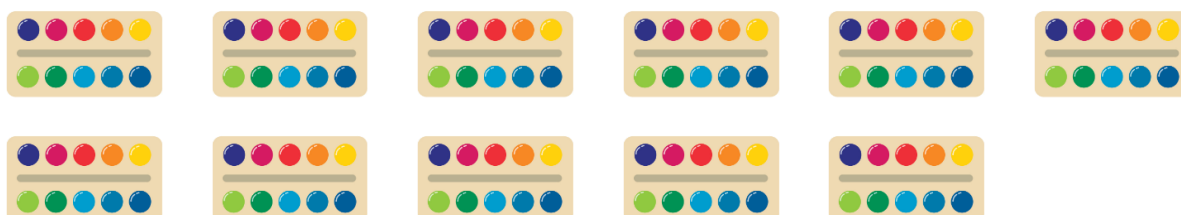(8 bundles each labelled 10)

Who is correct?

⭐ D
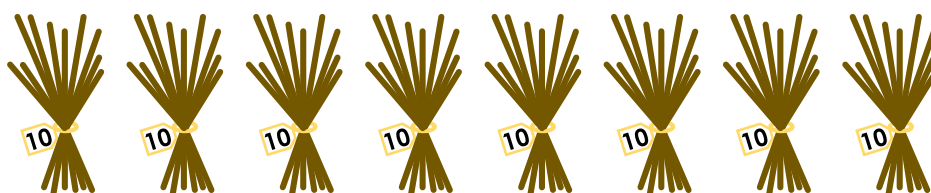
3. Miss Wild orders 11 new paint palettes for the school. Each palette needs 10 different colour blocks.

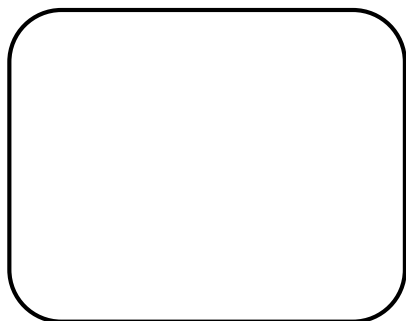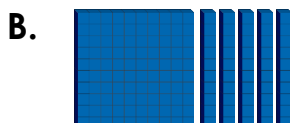**She orders 100 different colour blocks altogether.**

(11 paint palettes shown)

Explain Miss Wild's mistake.

⭐ D

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Multiply by 10

4. Complete the inequality statement using the options below.

H	T	O
100	10 10	
	10 10	
	10 10	
	10 10	

<

A. 22 lots of 10

B.

C. 50 50 50 50 50 50 50 50 50 50

5. Alfie and Katie are discussing the petals on the flowers below.

I think the flowers show 10 lots of 24 petals.

Alfie

I think the flowers show 24 lots of 10 petals.

Katie

Who is correct?

6. Mr Parker orders 10 boxes of reading records. There are 37 in each box.
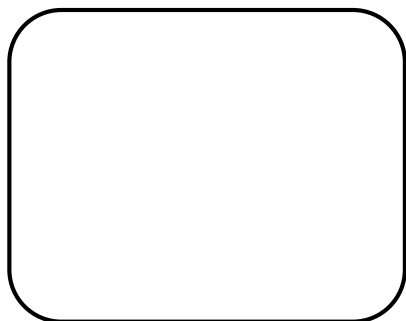
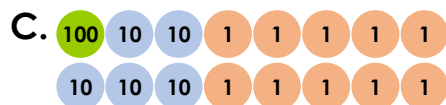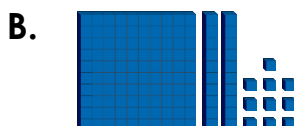**The school has 375 children altogether.**

Explain Mr Parker's mistake.

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Homework/Extension – Multiply by 10 – Year 4 Expected

Multiply by 10

7. Complete the inequality statement using the options below.

[ ] < 10 lots of 10, 3 lots of 10 and 16 lots of 1.

A. 7 lots of 10 and 10 lots of 8

B.

C.

VF
HW/Ext

8. Annie and Ben are discussing the petals in each flower pot below.

Ben: I think the flowers show 19 lots of 10 petals.

Annie: I think the flowers show 10 lots of 19 petals.

Who is correct?

VF
HW/Ext

9. Mr Morgan books 3 coaches for a school trip. Each coach has 45 seats.

He is taking 10 groups of 7 children and 6 groups of 10 children and needs space for 9 adult helpers.

Y4 Trip Helpers
1. Mrs Shaw
2. Miss Jackson
3. Mr Rhodes
4. Miss Chambers
5. Mr Needle
6. Mrs Cotton
7. Miss Powell
8. Mr Wilde
9. Miss Milne

Explain Mr Morgan's mistake.

RPS
HW/Ext

Developing

1. **C**
2. **Bobby**
3. **She is incorrect because she doesn't have enough. She needs 10 more colour blocks.**

Expected

4. **B**
5. **Alfie**
6. **He is incorrect, because ten lots of 37 books would be 370 books, so he would need five more books.**

Greater Depth

7. **B**
8. **Annie**
9. **He is incorrect because he has 135 seats and 130 children. He cannot take 9 adults because there are only 5 seats left.**

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Homework/Extension – Multiply by 10 ANSWERS