

# Varied Fluency

## Step 1: Multiply by 10

### National Curriculum Objectives:

Mathematics Year 4: (4C6a) [Recall multiplication and division facts for multiplication tables up to  \$12 \times 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:

**Developing** Questions to support multiplying up to 3-digit numbers by 10. Using place value counters.

**Expected** Questions to support multiplying up to 3-digit numbers by 10 including using knowledge of commutative law. Using some pictorial representations.

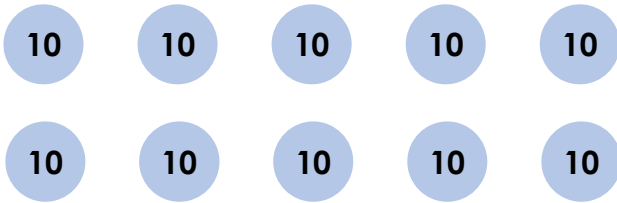
**Greater Depth** Questions to support multiplying up to 3-digit numbers by 10 including using knowledge of commutative law. Using some mixed representations within a question and some use of unconventional partitioning.

More [Year 4 Multiplication and Division](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

## Multiply by 10

1a. Complete the calculation represented by the image below.



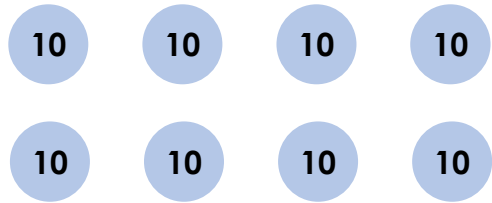
$$\square \times \square = \square$$



VF

## Multiply by 10

1b. Complete the calculation represented by the image below.



$$\square \times \square = \square$$



VF

2a. True or false?

$$15 \times 10 = 155$$



VF

2b. True or false?

$$14 \times 10 = 140$$



VF

3a. George is emptying his piggy bank.

He has seven 10 pence coins.

How much does he have altogether?



VF

3b. Jessica is counting her pocket money.

She has eleven 10 pence coins.

How much does she have altogether?



VF

4a. Which representation is the odd one out?

A.

Tens	Ones
10 10	
10 10	
10	
10	

B.



C.

5 lots of 10



VF

4b. Which representation is the odd one out?

A.



B.

Tens	Ones
10	

C.

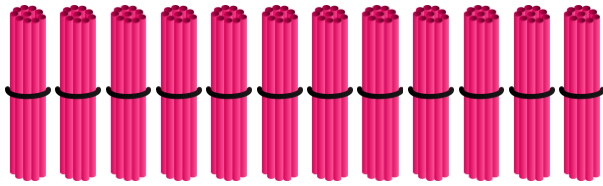
1 lot of 10



VF

## Multiply by 10

5a. Complete the calculation represented by the image below.



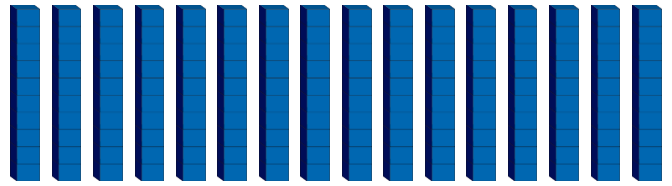
$$\square \times \square = \square$$



VF

## Multiply by 10

5b. Complete the calculation represented by the image below.



$$\square \times \square = \square$$



VF

6a. True or false?

$$10 \text{ lots of } 23 = 230$$



VF

6b. True or false?

$$13 \text{ lots of } 10 = 103$$



VF

7a. Balloons are sold in packs of 10.

Asif buys 14 packs for his party bags.

How many does he have altogether?



VF

7b. Bun cases are sold in packs of 25.

Alice buys 10 packs for her cupcakes.

How many does she have altogether?

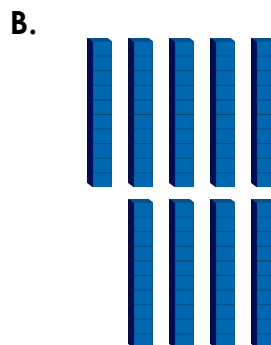


VF

8a. Which representation is the odd one out?

A.

Tens	Ones
10	
10	
10	
10	



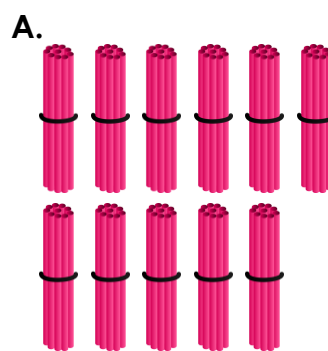
C.

9	9	9	9	9	9	9	9	9	9
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VF

8b. Which representation is the odd one out?



B.

Tens	Ones
10	10
10	10
10	10
10	

C.

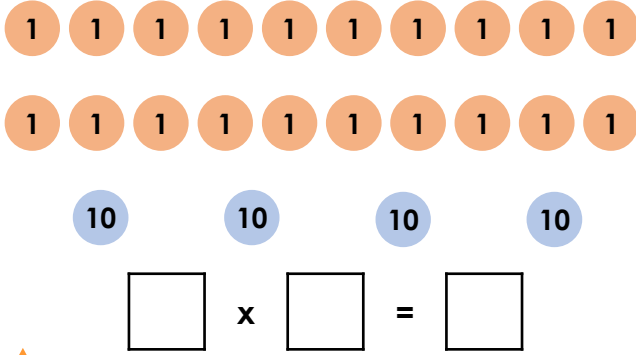
7	7	7	7	7	7	7	7	7	7
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VF

## Multiply by 10

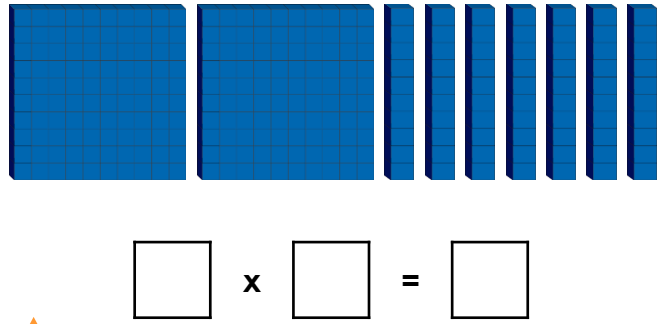
9a. Complete the calculation represented by the image below.



VF

## Multiply by 10

9b. Complete the calculation represented by the image below.



VF

10a. True or false?

10 lots of 40 and 10 lots of 16 = 540



VF

10b. True or false?

10 lots of 22 and 15 lots of 10 = 307



VF

11a. Pencils come in packs of 52. Pens come in packs of 10.

Sean buys ten packs of pencils and 13 packs of pens.

How many does he have altogether?



VF

11b. Apples come in packs of 10. Grapes come in packs of 35.

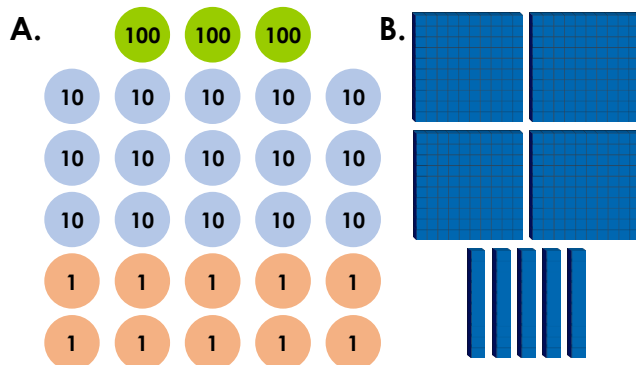
Rosie bought 11 packs of apples and 10 packs of grapes.

How many does she have altogether?



VF

12a. Which representation is the odd one out?

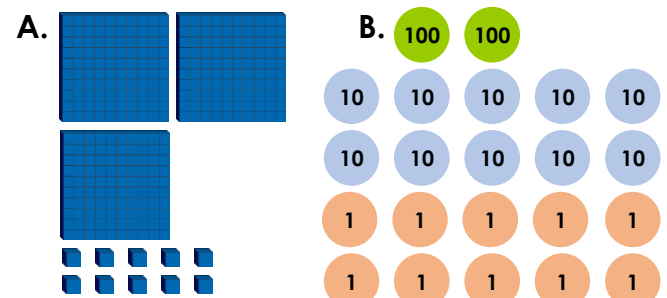


C. 34 lots of 10 and 10 lots of 12



VF

12b. Which representation is the odd one out?



C. 13 lots of 10 and 10 lots of 14



VF

**Varied Fluency**  
**Multiply by 10**

**Developing**

- 1a.  $10 \times 10 = 100$
- 2a. False, the answer is 150.
- 3a. 70 pence
- 4a. A

**Expected**

- 5a.  $12 \times 10 = 120$
- 6a. True
- 7a. 140
- 8a. A

**Greater Depth**

- 9a.  $6 \times 10 = 60$
- 10a. False, the answer is 160.
- 11a. 650
- 12a. B

**Varied Fluency**  
**Multiply by 10**

**Developing**

- 1b.  $8 \times 10 = 80$
- 2b. True
- 3b. 110 pence
- 4b. A

**Expected**

- 5b.  $16 \times 10 = 160$
- 6b. False, the answer is 130.
- 7b. 250
- 8b. A

**Greater Depth**

- 9b.  $27 \times 10 = 270$
- 10b. False, the answer is 370.
- 11b. 460
- 12b. C