## Multiplying 2-Digit Numbers

## In Focus



How manyare there in four boxes?

Think about how many doughnuts are in one box. How many boxes are there altogether?

## Let's Learn



Method 1
$12+12+12+12=48$
There are 48 in four boxes.

Guided Practice
Multiply.
(1) $20 \times \underline{8}=$
$\square$ Can you use the method we have just practiced to help you?
20
Think about how the part-whole model can help you. How many tens and ones are there?
(2)
$21 \times 8=$

$20 \quad 1$
3
$43 \times 2=$


(4) $21 \times 4=$ $\square$


Complete Worksheet 2 • Page 117-118

Further Multiplication and Division Page 140

## Guided Practice

Multiply.
(1) $20 \times 8=160$
(2) $21 \times 8=168$

(3) $43 \times 2=86$
(4) $21 \times 4=84$
40


Worksheet 2
Multiplying 2-Digit Numbers
1
Fill in the blanks.

Use the pictures to help you. Think about what we have learnt about multiplication and addition.
(a)

$12 \times 3=12+12+12=$ $\square$

 $16 \times 2=$ $\square$
$\square$
$\square$
 )


(d)


Further Multiplioation and Divaion
(2) Fill in the blanks.
(a) $15 \times 3=$ $\square$

(b)

(c) $32 \times 4=2 \times 4+30 \times 4=$ $\square$
(d) $56 \times 3=$ $\square$ $\times 3+$ $\square$ $\times 3=\square$
(e) $8 \times 24=8 \times \square+8 \times \square=\square$


## Worksheet 2

Multiplying 2－Digit Numbers
（1）Fill in the blanks．
（a）

$12 \times 3=12+12+12=36$

 $16 \times 2=16+16=32$


 $21 \times 4=21+21+21+21=84$
（d）龍部龍

$$
35 \times 4=35+35+35+35=140
$$

(2) Fill in the blanks.
(a) $15 \times 3=$ 45

5 ones $\times 3=$ $\square$
1 ten $\times 3=$ 30

(b) $26 \times 8=208$

(c) $32 \times 4=2 \times 4+30 \times 4=128$
(d) $56 \times 3=6 \times 3+50 \times 3=168$
(e) $8 \times 24=8 \times 4+8 \times 20=192$
(f) $48 \times 8=8 \times 8+40 \times 8=384$
1)

Alex completes the calculation: $43 \times 2$
Can you spot her mistake?

|  | $T$ | 0 |
| :---: | :---: | :---: |
|  | 4 | 3 |
| $\times$ |  | 2 |
|  |  | 6 |
| + |  | 8 |
|  | 1 | 4 |

4) 

Jacob and Julia have solved the following multiplications.


Jacob


Julia

Are they both correct? Explain how you know.

Hamza is thinking of a number.
2)

Teddy completes the same calculation as Alex.
Can you spot and explain his mistake?


Dexter says,
5)


What is Hamza's number? Explain how you know.
6) Create and solve a calculation using the digit cards below.


1 Alex completes the calculation: $43 \times 2$

Can you spot her mistake?
Alex has multiplied
4 by 2 rather
than 40
by 2 .

|  | $T$ | $O$ |
| :---: | :---: | :---: |
|  | 4 | 3 |
| $\times$ |  | 2 |
|  |  | 6 |
| + |  | 8 |
|  | 1 | 4 |

2) 

Teddy completes the same calculation as Alex.
Can you spot and explain his mistake?


Teddy has written
80 where he should have just put an 8 because he is multiplying 4 tens by 2 which is 8 tens. The answer should be 86 .

Dexter says,
3)


Is Dexter correct?
True. Both multiplications are equal to 84.

In the calculations one number has halved and one number has doubled.
4)

Jacob and Julia have solved the following multiplications.


Julia
Jacob
Are they both correct? Explain how you know.
Jacob is correct. Julia is not correct because she has added the numbers together instead of multiplying them. $31 \times 2=62$.

Hamza is thinking of a number.
5)


What is Hamza's number? Explain how you know. Hamza's number is 11 because $4 \times 11=44$.
6) Create and solve a calculation using the digit cards below.

13

x


3

