GO MATHS

Student Journal

Sample Unit

STAGE 2A

Authors
Brian Tickle BA
James Burnett M Ed
Calvin Irons Ph D

Contributing Author
Allan Turton B Ed

Series Consultants
Jan Glazier MA
Bruce Llewellyn B Sc

ORIGO
EDUCATION

1. Write the answer to the tens number fact.
Then colour half the picture and complete the fives fact.

$10 \times 14 =$ _____

SO

$5 \times 14 =$ _____

2. Write the tens fact you could use to help work out the fives fact.
Then write the answer.

a.
____ × 10 = _____

26 × 5 = _____

b.
____ × 10 = _____

16 × 5 = _____
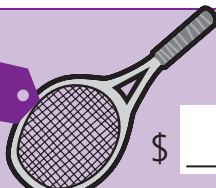
c.
____ × 10 = _____

48 × 5 = _____

d.
____ × 10 = _____

23 × 5 = _____

e.
____ × 10 = _____

19 × 5 = _____

f.
____ × 10 = _____

31 × 5 = _____

3. Write the total cost of buying 5 of each of these.

a. $45
$ _____

b. $85
$ _____

c. $27
$ _____

d. $87
$ _____

e. $34
$ _____

f. $69
$ _____

Use the same strategy to solve these:
a. 56 × 5 = ____   b. 73 × 5 = ____

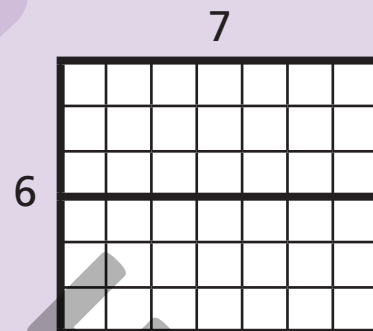# Introducing the Doubling-and-Halving Strategy

1. The first rectangle was cut in half and rearranged to form the second rectangle.

Before

14

3

After

7

6
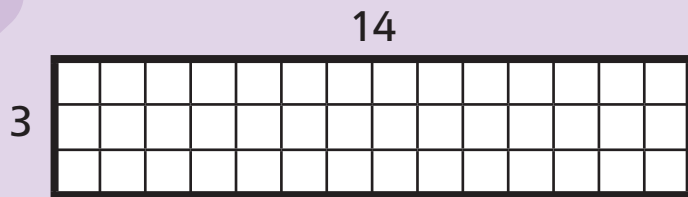
a. Has the total number of squares changed? _____

b. Write the dimensions of each rectangle.

Before ___ × ___ = _____

is the same as

After ___ × ___ = _____

2. Double one number and halve the other. Then write the answer.

a. 16 × 3

is the same as

___ × ___ = _____

b. 4 × 18

is the same as

___ × ___ = _____

c. 3 × 22

is the same as

___ × ___ = _____

d. 4 × 15

is the same as

___ × ___ = _____

e. 8 × 35

is the same as

___ × ___ = _____

f. 45 × 4

is the same as

___ × ___ = _____

g. 15 × 6

is the same as

___ × ___ = _____

h. 5 × 16

is the same as

___ × ___ = _____

i. 35 × 6

is the same as

___ × ___ = _____

FF Write two other number sentences you could solve using the strategy.
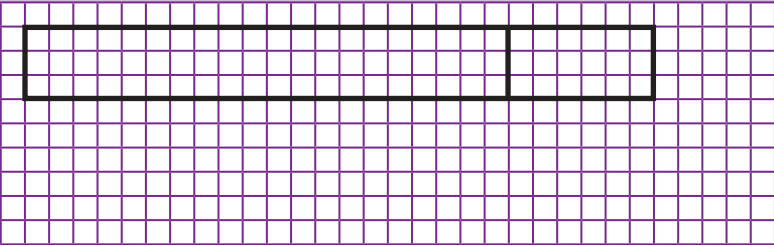
For each of these

- read the dimensions and then draw a matching rectangle
- colour the tens part red and the ones part blue
- write the answer to each part and then write the total
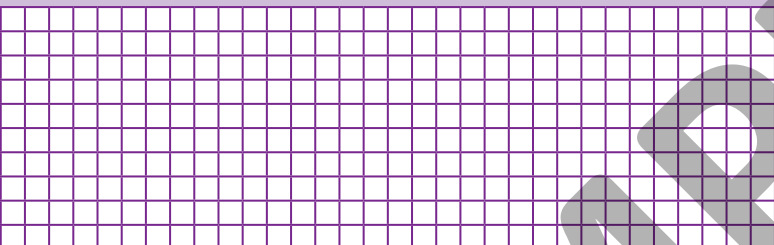
a.

3 by 26

3 × _____ = _____

3 × _____ = _____
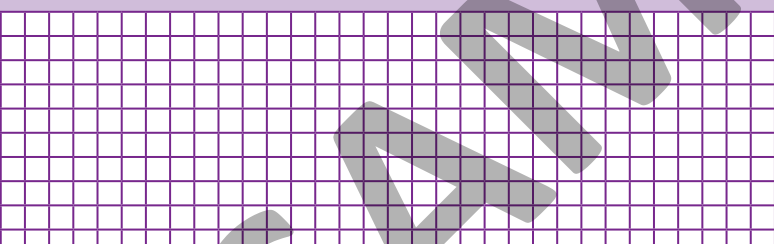
Total _____

b.

4 by 23

4 × _____ = _____

4 × _____ = _____

Total _____

c.

6 by 17
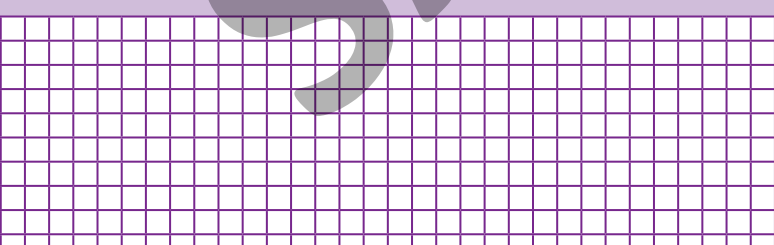
6 × _____ = _____

6 × _____ = _____

Total _____

d.

8 by 24

8 × _____ = _____

8 × _____ = _____

Total _____

e.

7 by 23

7 × _____ = _____

7 × _____ = _____

Total _____

Choose an example from above. Write two different ways you could work out the answer in your head.

Three-Day Passes

CROC KEEPER
$42

VENTURE PARK
$72
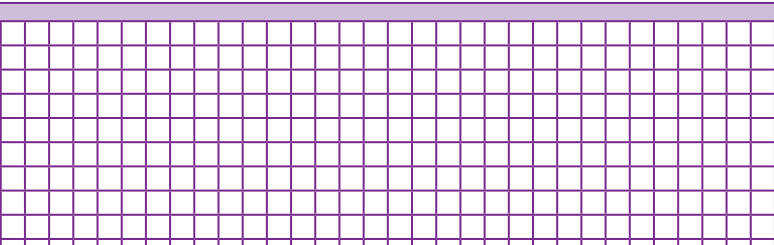
ANIMAL KINGDOM
$37

OCEAN WORLD
$63

DREAM LAND $94

1. Calculate the cost of buying 3 of each of these.

a.

CROC KEEPER
$42

Total
$_____

$3 \times$ _____ = _____

$3 \times$ _____ = _____

b.

ANIMAL KINGDOM
$37

Total
$_____

$3 \times$ _____ = _____

$3 \times$ _____ = _____

c.

DREAM LAND $94

Total
$_____

$3 \times$ _____ = _____

$3 \times$ _____ = _____

2. Calculate the cost of buying 6 of each of these.

a.

OCEAN WORLD
$63

Total
$_____

$6 \times$ _____ = _____

$6 \times$ _____ = _____

b.

VENTURE PARK
$72

Total
$_____

$6 \times$ _____ = _____

$6 \times$ _____ = _____

c.

ANIMAL KINGDOM
$37

Total
$_____

$6 \times$ _____ = _____

$6 \times$ _____ = _____

3. Calculate the cost of buying 4 of each of these.

a.

VENTURE PARK
$72

Total
$_____

_____ $\times$ _____ = _____

_____ $\times$ _____ = _____

b.

CROC KEEPER
$42

Total
$_____

_____ $\times$ _____ = _____

_____ $\times$ _____ = _____

c.

DREAM LAND $94

Total
$_____

_____ $\times$ _____ = _____

_____ $\times$ _____ = _____

Imagine you bought 5 Venture Park passes.
Write about a strategy you could use to work out the total cost.
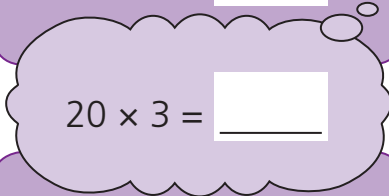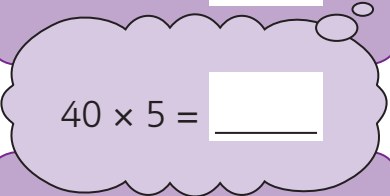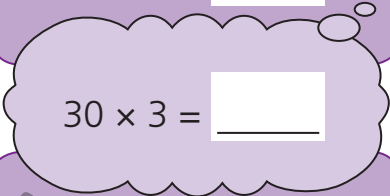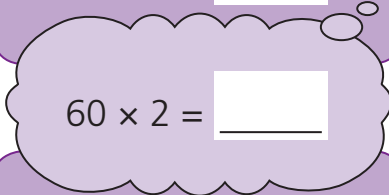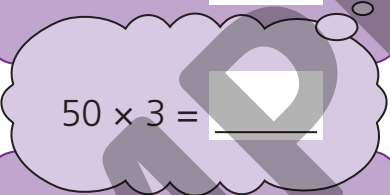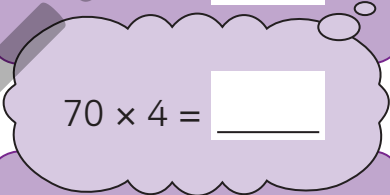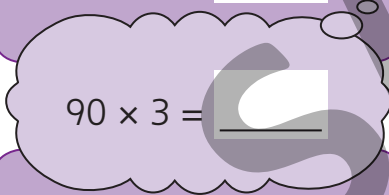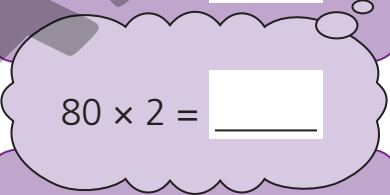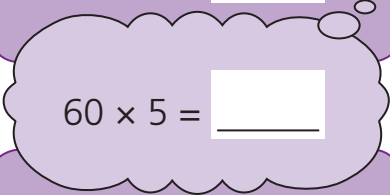
1. Look in the thought bubble. Write the answer.
Then use the thought bubble to help you write the other two answers.

a.
21 × 3 = _____

20 × 3 = _____

19 × 3 = _____

b.
41 × 5 = _____

40 × 5 = _____

39 × 5 = _____

c.
31 × 3 = _____

30 × 3 = _____

29 × 3 = _____

d.
61 × 2 = _____

60 × 2 = _____

59 × 2 = _____

e.
51 × 3 = _____

50 × 3 = _____

49 × 3 = _____

f.
71 × 4 = _____

70 × 4 = _____

69 × 4 = _____

g.
91 × 3 = _____

90 × 3 = _____

89 × 3 = _____

h.
81 × 2 = _____

80 × 2 = _____

79 × 2 = _____

i.
61 × 5 = _____

60 × 5 = _____

59 × 5 = _____

2. Complete each of these.

a.
20 × 4 = _____

19 × 4 = _____

18 × 4 = _____

b.
60 × 3 = _____

59 × 3 = _____

58 × 3 = _____

c.
90 × 2 = _____

89 × 2 = _____

88 × 2 = _____

Write how you could work out 119 × 3 in your head.