



**THIRD SPACE**  
LEARNING

# Arithmetic

Year 6\*

Week 3

# Possible methods to use:

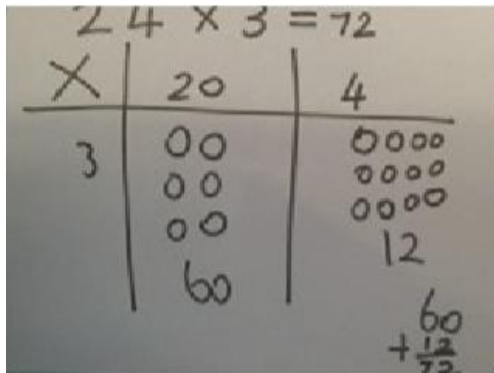
## Multiplication

Example:  $35 \times 7$

<b>X</b>	<b>30</b>	<b>5</b>
<b>7</b>	<b>210</b>	<b>35</b>

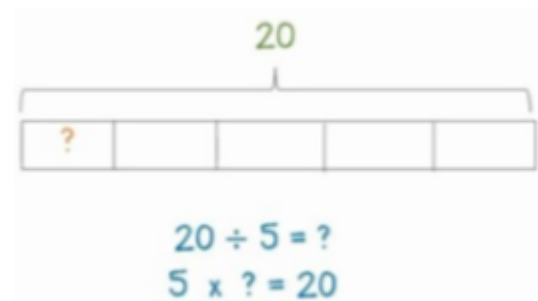
$$210 + 35 = 245$$

You can draw or use counters to help show your working.



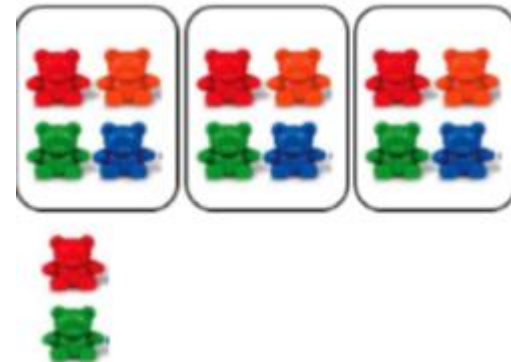
## Division

Bar model:



Draw an array: Divide objects or dots between equal groups.

Example:  $14 \div 3$



✓ Try mentally first

✓ ✓ Try a written method

**A.  $2 \times 4 =$**

**B.  $7 + 4 + 3 =$**

**C.  $65 \div 5 =$**

**D.  $34 + 45 =$**

$$\text{E. } 36 \div 4 =$$

$$\text{F. } 27 \div 9 =$$

$$\text{G. } 4 \times 13 =$$

$$\text{H. } 8 \times 12 =$$

1)

There are **56** legs.  
How many spiders are there?



2)

There are **44** legs.  
How many gerbils are there?





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## Week 3 - Day 1

### (ANSWERS)

A) 5

B) 4

C) 18

D) 72

E) 9

F) 3

G) 52

H) 96

1) 7

2) 22 or 11 (depending on 2 or 4 legs)



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**Week 3    Day 2**

✓ Try mentally first

✓ ✓ Try a written method

**A.**  $5 + 8 + 2 =$

**B.**  $56 \div 4 =$

**C.**  $23 + ? = 56$

**D.**  $543 \times 1 =$



$$\text{E. } 12 \times 3 =$$

$$\text{F. } 5 \times 14 =$$

$$\text{G. } 28 \div 4 =$$

$$\text{H. } 32 \div 8 =$$



## Week 3 - Day 2

- 1) What are the missing numbers in these multiplication grids?

X	20	3
8	160	<input type="text"/>

X	30	4
<input type="text"/>	300	40
8	<input type="text"/>	32



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## Week 3 - Day 2

### (ANSWERS)

- A) 6
- B) 48
- C) 104
- D) 5
- E) 36
- F) 70
- G) 7
- H) 4

1) 24, 10, 240



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**Week 3    Day 3**



✓ Try mentally first

✓ ✓ Try a written method

**A.**  $3 \times 4 =$

**B.**  $8 + 4 + 5 =$

**C.**  $87 - 24 =$

**D.**  $45 + 8 =$

$$E. 14 \times \_ = 28$$

$$F. 44 = \_ \times 4$$

$$G. 2 \times 36 =$$

$$H. 32 \div 5 =$$

**1)** Find the incorrect number in these sequences and replace them with the correct numbers.

a) 4, 8, 12, 14, 20, 24, 28, 32.

b) 64, 56, 46, 40, 32, 24, 16, 8.

c) 6, 9, 12, 16, 18, 21, 24.



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## Week 3- Day 3

### (ANSWERS)

A) 110

B) 98

C) 12

D) 7 r1

E) 2

F) 72

G) 11

H) 6 r2

1)

A = **14** changed to 16

B = **46** changed to 48

C = **16** changed to 15





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**Week 3 Day 4**

✓ Try mentally first

✓ ✓ Try a written method

**A.**  $? \times 4 = 20$

**B.**  $67 + 5 =$

**C.**  $4 + 8 + 4 =$

**D.**  $48 \div 3 =$



$$\text{E. } \_ \times 6 = 24$$

$$\text{F. } 54 \times \_ = 108$$

$$\text{G. } 61 \div 2 =$$

$$\text{H. } 16 \div \_ = 2$$



Complete the facts about these arrays.

1)

$$6 \times \square = 48$$

$$8 \times \square = 48$$

$$\square \div 6 = 8$$

$$48 \div 8 = \square$$



2)

$$6 \times \square = 24$$

$$4 \times \square = 24$$

$$\square \div 6 = 4$$

$$24 \div 4 = \square$$





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## Week 3 - Day 4

### (ANSWERS)

A) 90

B) 120

C) 22

D) 9

E) 4

F) 2

G) 30 r1

H) 8

1) 8, 6, 48, 6

2) 4, 6, 24, 6



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**Week 3    Day 5**

✓ Try mentally first

✓ ✓ Try a written  
method

A.  $6 \times 4 =$

B.  $64 - ? = 8$

C.  $12 \div 4 =$

D.  $43 + 34 =$

**E.  $110 \div \_ = 55$**

**F.  $25 \times 3 =$**

**G.  $\_ = 4 \times 14$**

**H.  $34 \div \_ = 2$**





## Week 3 - Day 5

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**1)** You could use the array method to help you find out how many apples are left over.

How many are left over when 67 apples are shared equally between 8 horses?





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## Week 3 - Day 5

### (ANSWERS)

- A) 8
- B) 98
- C) 2
- D) 62
- E) 2
- F) 75
- G) 56
- H) 17

1) 3