



THIRD SPACE
LEARNING

Year 6**

Week 3



Week 3 – Day 1

THIRD SPACE
LEARNING

$$A. 8,874 \times ? = 8,874$$

$$B. 1,518 \div 6 =$$

$$C. 87.3 \div 10 =$$

$$D. 41 + 30 =$$

$$E. 83,328 - 76,397 =$$



Week 3 – Day 1

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LEARNING

$$F. 14.32 \times 100$$

$$G. 4.3 + 6.8 =$$

$$H. 4 \times 0.5 =$$

$$I. 1,000,000 - 706 =$$



Week 3 – Day 1

THIRD SPACE
LEARNING



Explain the mistakes

Mistake 1

$$3.4 \times 100 = 3.400$$

Mistake 2

$$0.7 \times 100 = 700$$

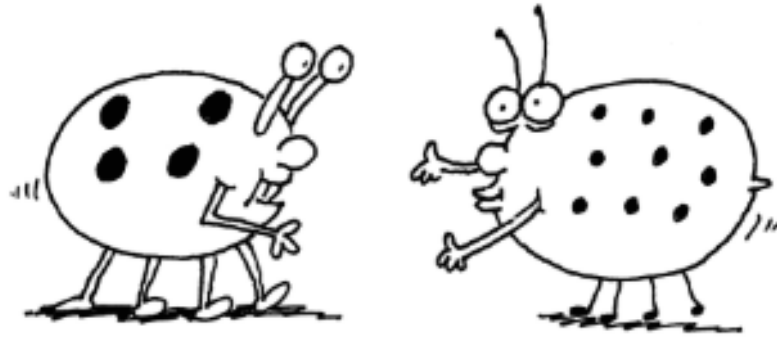
Mistake 3

$$35 \div 10 = 350$$

Mistake 4

$$6.4 \times 10 = 60.4$$

Zids and Zods



Zids have 4 spots.

Zods have 9 spots.

Altogether some Zids and Zods have 48 spots.

How many Zids are there?

How many Zods?

What if Zids have 5 spots, Zods have 7 spots,
and there are 140 spots altogether?

Find as many solutions as you can.

Teaching objectives

Solve mathematical problems or puzzles.

Know multiplication facts to 10×10 .

Add two-digit numbers mentally.

How could you show how you have worked this out?

A chart?

Drawings?

Try and work in an ordered way.



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LEARNING

Week 3 - Day 1

(ANSWERS)

- A) 1
- B) 253
- C) 8.73
- D) 71
- E) 6,931
- F) 1,432
- G) 11.1
- H) 2
- I) 999,294



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LEARNING

Week 3 – Day 1 (ANSWERS)

66 Zids and Zods

There are 3 Zids with 4 spots and 4 Zods with 9 spots.

If Zids have 5 spots and Zods have 7 spots, the possible ways of making 140 are:

28 Zids;

21 Zids and 5 Zods;

14 Zids and 10 Zods;

7 Zids and 15 Zods;

20 Zods.



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LEARNING

Week 3

Day 2



Week 3 – Day 2

THIRD SPACE
LEARNING

$$A. \frac{2}{5} \text{ of } 90 =$$

$$B. 48.3 \div 100 =$$

$$C. 67 \times 32 =$$

$$D. 80 - 28 =$$

$$E. 12,384 + 15,843 =$$



Week 3 – Day 2

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LEARNING

$$F. 836.9 - 29.6 =$$

$$G. 374 \times 5 =$$

$$H. 1,204 \div 14 =$$

$$I. 0.04 \times 10 =$$



Week 3 – Day 2

THIRD SPACE
LEARNING

Explain the mistakes

$$63 \times 27$$

Mistake 1

$$60 \times 20 = 1200$$

$$3 \times 7 = 21$$

$$1200 + 21 = 1221$$

Mistake 2

	20	7
60	120	420
3	60	21

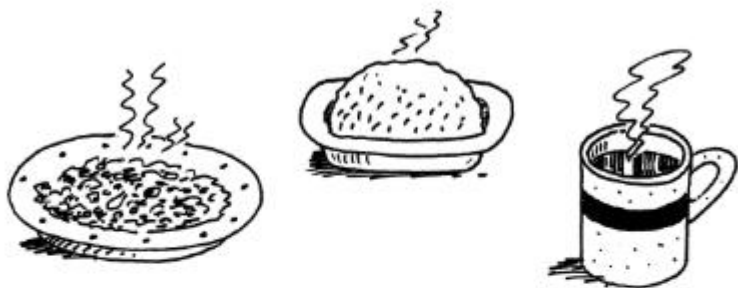
$$120 + 420 + 60 + 21 = 621$$



Week 3 – Day 2

THIRD SPACE
LEARNING

Franco's fast food



This is what food costs at Franco's café.

1 curry and 1 tea cost £4.

2 curries and 2 puddings cost £9.

1 pudding and 2 teas cost £2.

What do you have to pay in total for

1 curry, 1 pudding and 1 tea?

What does each item cost on its own?

Hint:

You could use algebra (letters for numbers).

$$C + T = £4$$

$$2C + 2P = £9$$

$$P + 2T = £2$$

Find some possibilities for $C + T = £4$

The answers are either in pounds or multiples of 50p.

Try out your ideas in $2C + 2P = £9$



Week 3 - Day 2

(ANSWERS)

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- A) 36
- B) 0.483
- C) 2,144
- D) 52
- E) 28,227
- F) 807.3
- G) 1870
- H) 86
- I) 0.4



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Week 3 Day 2

(ANSWERS)

67 Franco's fast food

A curry costs £3.50, a pudding costs £1 and a tea costs 50p.

So the total cost of a curry, a pudding and a tea is £5.



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Week 3

Day 3



Week 3 – Day 3

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$$A. 7 \times ? = 42$$

$$B. 70 - 29 =$$

$$C. 37 \times 37 =$$

$$D. 8 + 3 + 8 =$$

$$E. 32,764 - 21,863 =$$



Week 3 – Day 3

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$$F. 36 \div ? =$$

$$G. (4 \times 11) - 5 =$$

$$H. 2,364 + 36.9 =$$

$$I. 0.7 \div 10 =$$



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LEARNING

Week 3 Day 3

Explain the mistakes

$$163 \times 27$$

Mistake 1

$$\begin{array}{r} 163 \\ \times 27 \\ \hline 1141 \\ 326 \\ \hline 1467 \end{array}$$

Mistake 2

$$\begin{array}{r} 163 \\ \times 27 \\ \hline 721 \\ 2260 \\ \hline 2981 \end{array}$$



Week 3 Day 3

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Albert Square



36 people live in the eight houses in Albert Square.
Each house has a different number of people living in it.
Each line of three houses has 15 people living in it.
How many people live in each house?

Hint:

Think how you can make 15 by adding three different numbers together.

$$[\quad] + [\quad] + [\quad] = 15$$



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Week 3 - Day 3

(ANSWERS)

- A) 6
- B) 41
- C) 1369
- D) 19
- E) 10,901
- F) 9
- G) 39
- H) 2,400.9
- I) 0.07



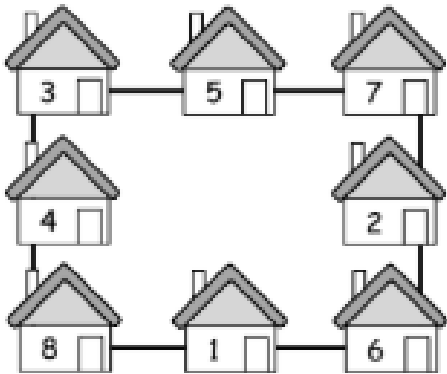
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Week 3 – Day 3

(ANSWERS)

68 Albert Square

For example:





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LEARNING

Week 3

Day 4



Week 3 – Day 4

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$$A. 996 + 7 =$$

$$B. 32,764 - 21,863 =$$

$$C. 9.38 \div 100 =$$

$$D. 91 + 30 =$$

$$E. 674 \times 6 =$$



Week 3 – Day 4

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$$F. (80 \div 10) \times 7 =$$

$$G. \frac{1}{4} + \frac{1}{2} =$$

$$H. 200,436 + 61,009 =$$

$$I. 100 \div 5 =$$



Week 3 Day 4

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LEARNING

I know... so...

$$24 \times 18 = 432$$

$$25 \times 18 = \underline{\hspace{2cm}}$$

$$25 \times 17 = \underline{\hspace{2cm}}$$

How many more calculations can you write from knowing $24 \times 18 = 432$?

Try and do at least 5, check you are correct with a calculator.



Week 3 - Day 4

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(ANSWERS)

- A) 1,003
- B) 10,901
- C) 0.0938
- D) 121
- E) 4,044
- F) 56
- G) $\frac{3}{4}$
- H) 261,445
- I) 20



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Week 3 – Day 4

(ANSWERS)

I know ...so...

$$24 \times 18 = 432$$

$$25 \times 18 = 450$$

$$25 \times 17 = 425$$



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Week 3

Day 5



Week 3 – Day 5

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LEARNING

$$A. \frac{2}{9} \text{ of } 162 =$$

$$B. 866 \times 6 =$$

$$C. 130 - 39 =$$

$$D. 87.4 \div 10 =$$

$$E. 3,410 \div 6 =$$



Week 3 – Day 5

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LEARNING

$$F. 10.3 + 68 + 124.5 =$$

$$G. (54 + 18) \div 8 =$$

$$H. 100,326 \div 100$$

$$I. 16 - 3.2 =$$



Week 3 Day 5

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LEARNING

I know... so...

$$25 \times 48 = \underline{\hspace{2cm}}$$

$$100 \times 48 = 4800$$

$$\underline{\hspace{2cm}} \times 48 = 4848$$

How many more calculations can you write from knowing $100 \times 48 = 4800$?

Try and do at least 5, check you are correct with a calculator.



Week 3 - Day 5

THIRD SPACE
LEARNING

(ANSWERS)

- A) 36
- B) 5,196
- C) 91
- D) 8.74
- E) 568.3
- F) 202.8
- G) 9
- H) 1003.26
- I) 12.8



THIRD SPACE
LEARNING

Week 3 Day 5

(ANSWERS)

I know ... so

$$25 \times 48 = 1200$$

$$101 \times 48 = 4848$$