

Big Maths Beat That!: Teacher Notes

CLIC Challenge 10			
	Step Location in the CLIC framework		Title of Step
	Progress Drive	Step No.	
Q1	Counting: Squiggleworth	2 (i)	I can partition a 3d number
Q2	INN: Pim's Addition	3	I can add thousands
Q3	INN: Doubling (with crossing 10s) Halving	3 / 3	I can double 2d numbers / I know half of 300, 500, 700, 900
Q4	INN: Jigsaw Numbers	3	I can find the missing piece to 100
Q5	INN: Multiplying by 10 Dividing by 10	1 1	I can multiply whole numbers by 10 / I can divide multiples of 10 by 10
Q6	Calc: +	25	I can solve any 2d + 2d
Q7	Calc: -	28	I can take any 2d number from 100
Q8	Calc: ÷	17	I can use a tables fact to find a division fact (with remainders)
Q9	Column Methods: +	2	I can solve any 2d + 2d
Q10	Column Methods: -	2	I can solve any 2d - 2d



Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 456 \\ \diagdown \quad | \quad \diagup \\ \end{array}$$

2

$$30000 + 80000 =$$

3

Double 39 is _____

Half of 500 is _____

4

57 + _____ = 100

6

48 + 76 = _____

5

$$83 \times 10 =$$
$$510 \div 10 =$$

7

$$100 - 28 =$$

8

$$38 \div 5 =$$

9

$$\begin{array}{r} 37 \\ + 89 \\ \hline \end{array}$$

10

$$\begin{array}{r} 76 \\ - 48 \\ \hline \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 284 \\ \diagdown \quad | \quad \diagup \\ \end{array}$$

2

$$5000 + 2000 =$$

3 Double 37 is

Half of 64 is

4

$$73 + \quad = 100$$

5

$$36 \times 10 =$$
$$640 \div 10 =$$

6

$$37 + 58 =$$

7

$$100 - 37 =$$

8

$$29 \div 3 =$$

9

$$\begin{array}{r} 46 \\ + 78 \\ \hline \end{array}$$

10

$$\begin{array}{r} 82 \\ - 37 \\ \hline \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 379 \\ \diagup \quad | \quad \diagdown \end{array}$$

2

$$4000 + 7000 =$$

3

Double 46 is _____

Half of 300 is _____



4

$$100 - \quad = 36$$

5

$$48 \times 10 =$$
$$870 \div 10 =$$

6

$$69 + 54 =$$

7

$$100 - 45 =$$

8

$$33 \div 4 =$$

9

$$\begin{array}{r} 68 \\ + 54 \\ \hline \end{array}$$

10

$$\begin{array}{r} 64 \\ - 19 \\ \hline \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 863 \\ \diagdown \quad | \quad \diagup \\ \end{array}$$

2

$$6000 + 5000 =$$

3

Double 28 is _____

Half of 86 is _____

4

100 - _____ = 29

6

75 + 86 = _____

5

$$23 \times 10 =$$
$$620 \div 10 =$$

7

$$100 - 81 =$$

8

$$19 \div 2 =$$

9

$$\begin{array}{r} 75 \\ + 67 \\ \hline \end{array}$$

10

$$\begin{array}{r} 53 \\ - 26 \\ \hline \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 742 \\ \diagdown \quad \diagup \\ \end{array}$$

2

$$9000 + 9000 =$$

3

Double 58 is

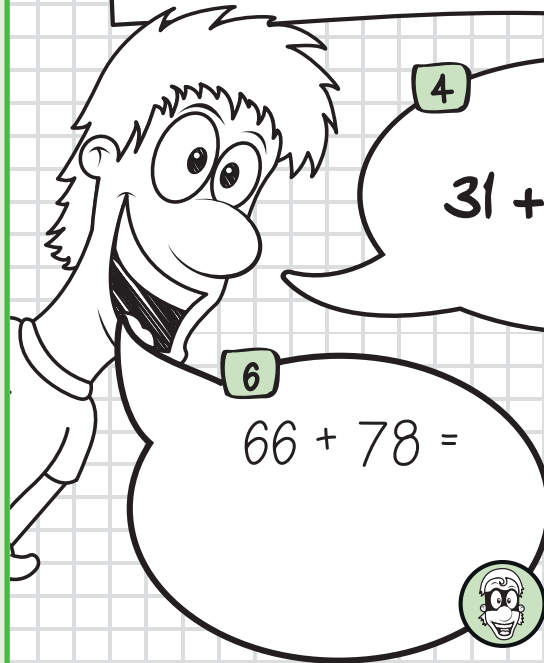
Half of 900 is

4

31 + = 100

6

66 + 78 =



5

$$37 \times 10 =$$
$$680 \div 10 =$$

7

$$100 - 54 =$$

8

$$43 \div 5 =$$

9

$$\begin{array}{r} 83 \\ + 29 \\ \hline \end{array}$$


10

$$\begin{array}{r} 91 \\ - 65 \\ \hline \end{array}$$






Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 138 \\ \diagdown \quad | \quad \diagup \\ \end{array}$$

2

$$8000 + 4000 =$$

3

Double 87 is

Half of 68 is

4

88 + _____ = 100

6

95 + 46 =

5

$$45 \times 10 =$$
$$770 \div 10 =$$

7

$$100 - 23 =$$

8

$$16 \div 3 =$$

9

$$\begin{array}{r} 18 \\ + 97 \\ \hline \end{array}$$

10

$$\begin{array}{r} 45 \\ - 28 \\ \hline \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 925 \\ \diagdown \quad | \quad \diagup \\ \end{array}$$

2

$$7000 + 3000 =$$

3

Double 76 is _____

Half of 700 is _____

4

100 - _____ = 45

6

72 + 39 = _____

5

$$96 \times 10 =$$
$$940 \div 10 =$$

7

$$100 - 17 =$$

8

$$39 \div 4 =$$

9

$$\begin{array}{r} 56 \\ + 75 \\ \hline \end{array}$$

10

$$\begin{array}{r} 84 \\ - 59 \\ \hline \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 591 \\ \diagdown \quad | \quad \diagup \\ \end{array}$$

2

$$5000 + 6000 =$$

3

Double 96 is

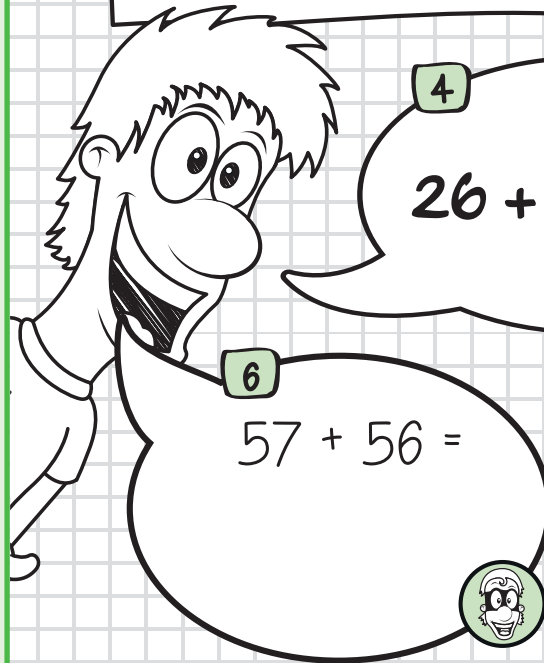
Half of 64 is

4

26 + = 100

6

57 + 56 =



5

$$39 \times 10 =$$
$$320 \div 10 =$$

7

$$100 - 33 =$$

8

$$22 \div 5 =$$

9

$$\begin{array}{r} 78 \\ + 68 \\ \hline \end{array}$$


10

$$\begin{array}{r} 72 \\ - 37 \\ \hline \end{array}$$






Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 617 \\ \diagup \quad \diagdown \\ \quad \quad \quad \end{array}$$

2

$$9000 + 3000 =$$

3

Double 59 is

Half of 300 is

4

$$100 - \quad = 53$$

6

$$67 + 85 =$$


5

$$41 \times 10 =$$
$$270 \div 10 =$$

7

$$100 - 74 =$$

8

$$21 \div 4 =$$

9

$$\begin{array}{r} 86 \\ + 49 \\ \hline \end{array}$$


10

$$\begin{array}{r} 63 \\ - 45 \\ \hline \end{array}$$






Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 483 \\ \diagup \quad | \quad \diagdown \\ \end{array}$$

2

$$4000 + 5000 =$$

3

Double 85 is

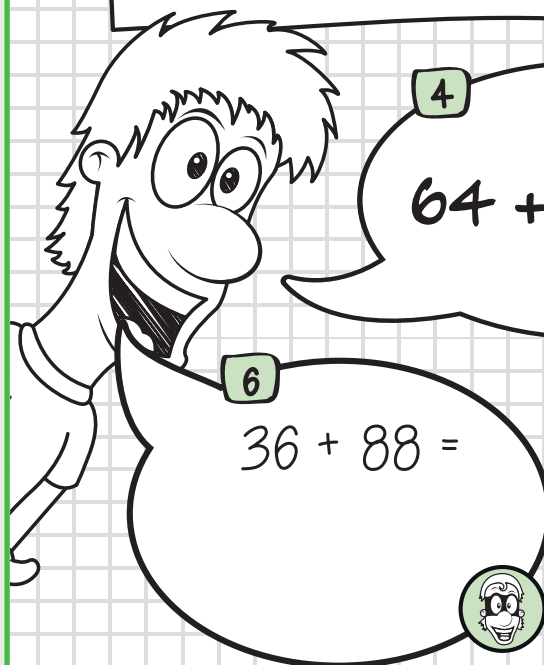
Half of 900 is

4

64 + = 100

6

36 + 88 =



5

$$56 \times 10 =$$
$$840 \div 10 =$$

7

$$100 - 63 =$$

8

$$25 \div 3 =$$

9

$$\begin{array}{r} 67 \\ + 86 \\ \hline \end{array}$$


10

$$\begin{array}{r} 94 \\ - 38 \\ \hline \end{array}$$






Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 456 \\ \swarrow \quad \downarrow \quad \searrow \\ 400 \quad 50 \quad 6 \end{array}$$

2

$$30000 + 8000 = 11000$$

3

Double 39 is **78**

Half of 500 is **250**

4

57 + 43 = 100

6

48 + 76 = 124

5

$$83 \times 10 = 830$$
$$510 \div 10 = 51$$

7

$$100 - 28 = 72$$

8

$$38 \div 5 = 7 \text{ r } 3$$

9

$$\begin{array}{r} 37 \\ + 89 \\ \hline 126 \end{array}$$

10

$$\begin{array}{r} 76 \\ - 48 \\ \hline 28 \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 284 \\ \hline 200 \quad 80 \quad 4 \end{array}$$

2

$$5000 + 2000 = 7000$$

3

Double 37 is **74**

Half of 64 is **32**

4

73 + 27 = 100

6

37 + 58 = 95

5

$$36 \times 10 = 360$$
$$640 \div 10 = 64$$

7

$$100 - 37 = 63$$

8

$$29 \div 3 = 9 \text{ r } 2$$

9

$$\begin{array}{r} 46 \\ + 78 \\ \hline 124 \end{array}$$

10

$$\begin{array}{r} 82 \\ - 37 \\ \hline 45 \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 379 \\ \hline 300 \quad 70 \quad 9 \end{array}$$

2

$$4000 + 7000 = 11000$$

3

Double 46 is **92**

Half of 300 is **150**



4

$$100 - 64 = 36$$

5

$$48 \times 10 = 480$$
$$870 \div 10 = 87$$

6

$$69 + 54 = 123$$

7

$$100 - 45 = 55$$

8

$$33 \div 4 = 8 \text{ r } 1$$

9

$$\begin{array}{r} 68 \\ + 54 \\ \hline 122 \end{array}$$

10

$$\begin{array}{r} 64 \\ - 19 \\ \hline 45 \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 863 \\ \hline 800 \quad 60 \quad 3 \end{array}$$

2

$$6000 + 5000 = 11000$$

3

Double 28 is

$$56$$

Half of 86 is

$$43$$

4

$$100 - 71 = 29$$

6

$$75 + 86 = 161$$

5

$$23 \times 10 = 230$$
$$620 \div 10 = 62$$

7

$$100 - 81 = 19$$

8

$$19 \div 2 = 9 \text{ r } 1$$

9

$$\begin{array}{r} 75 \\ + 67 \\ \hline 142 \end{array}$$

10

$$\begin{array}{r} 53 \\ - 26 \\ \hline 27 \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 742 \\ \hline 700 \quad 40 \quad 2 \end{array}$$

2

$$9000 + 9000 = 18000$$

3

Double 58 is **116**

Half of 900 is **450**

4

31 + **69** = 100

6

66 + 78 = **144**

5

$$37 \times 10 = 370$$
$$680 \div 10 = 68$$

7

$$100 - 54 = 46$$

8

$$43 \div 5 = 8 \text{ r } 3$$

9

$$\begin{array}{r} 83 \\ + 29 \\ \hline 112 \end{array}$$

10

$$\begin{array}{r} 91 \\ - 65 \\ \hline 26 \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 138 \\ \swarrow \quad \downarrow \quad \searrow \\ 100 \quad 30 \quad 8 \end{array}$$

2

$$8000 + 4000 = 12000$$

3

Double 87 is **174**

Half of 68 is **34**

4

88 + **12** = 100

6

95 + 46 = **141**

5

$$45 \times 10 = 450$$
$$770 \div 10 = 77$$

7

$$100 - 23 = 77$$

8

$$16 \div 3 = 5 \text{ r } 1$$

9

$$\begin{array}{r} 18 \\ + 97 \\ \hline 115 \end{array}$$

10

$$\begin{array}{r} 45 \\ - 28 \\ \hline 17 \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 925 \\ \diagdown \quad | \quad \diagup \\ 900 \quad 20 \quad 5 \end{array}$$

2

$$70000 + 30000 = 100000$$

3

Double 76 is **152**

Half of 700 is **350**

4

$$100 - 55 = 45$$

6

$$72 + 39 = 111$$

5

$$96 \times 10 = 960$$
$$940 \div 10 = 94$$

7

$$100 - 17 = 83$$

8

$$39 \div 4 = 9 \text{ r } 3$$

9

$$\begin{array}{r} 56 \\ + 75 \\ \hline 131 \end{array}$$

10

$$\begin{array}{r} 84 \\ - 59 \\ \hline 25 \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 591 \\ \swarrow \quad \downarrow \quad \searrow \\ 500 \quad 90 \quad 1 \end{array}$$

2

$$50000 + 60000 = 110000$$

3

Double 96 is **192**

Half of 64 is **32**

4

$$26 + 74 = 100$$

6

$$57 + 56 = 113$$

5

$$39 \times 10 = 390$$
$$320 \div 10 = 32$$

7

$$100 - 33 = 67$$

8

$$22 \div 5 = 4 \text{ r } 2$$

9

$$\begin{array}{r} 78 \\ + 68 \\ \hline 146 \end{array}$$

10

$$\begin{array}{r} 72 \\ - 37 \\ \hline 35 \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 617 \\ \hline 600 \quad 10 \quad 7 \end{array}$$

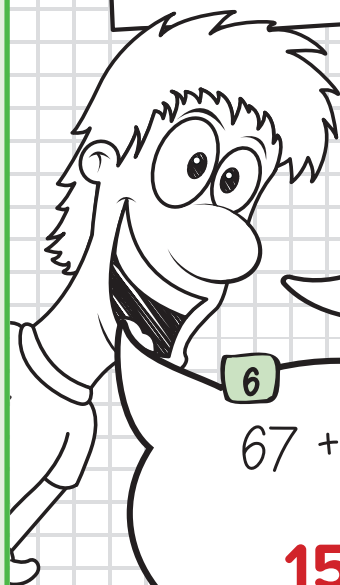
2

$$9000 + 3000 = 12000$$

3

Double 59 is **118**

Half of 300 is **150**



4

$$100 - 47 = 53$$

5

$$41 \times 10 = 410$$
$$270 \div 10 = 27$$

6

$$67 + 85 = 152$$

7

$$100 - 74 = 26$$

8

$$21 \div 4 = 5 \text{ r } 1$$

9

$$\begin{array}{r} 86 \\ + 49 \\ \hline 135 \end{array}$$

10

$$\begin{array}{r} 63 \\ - 45 \\ \hline 18 \end{array}$$





Name: _____

Class: _____

Date: _____

1

$$\begin{array}{r} 483 \\ \hline 400 \quad 80 \quad 3 \end{array}$$

2

$$4000 + 5000 = 9000$$

3

Double 85 is **170**

Half of 900 is **450**



4

$$64 + 36 = 100$$

5

$$56 \times 10 = 560$$
$$840 \div 10 = 84$$

6

$$36 + 88 = 124$$

7

$$100 - 63 = 37$$

8

$$25 \div 3 = 8 \text{ r } 1$$

9

$$\begin{array}{r} 67 \\ + 86 \\ \hline 153 \end{array}$$

10

$$\begin{array}{r} 94 \\ - 38 \\ \hline 56 \end{array}$$

