

Big Maths Beat That!: Teacher Notes

CLIC Challenge 12			
	Step Location in the CLIC framework		Title of Step
	Progress Drive	Step No.	
Q1	Counting: Counting Multiples	6	I can count in 8s
Q2	Counting: Mastery of Numbers	4	I can understand 3d numbers
Q3	INN: Doubling (With Crossing 10s)	5	I can double 3d numbers
Q4	INN: Doubling (With Crossing 10s)	5	I can double 3d numbers
Q5	Calc: +	25	I can solve any $2d + 2d$
Q6	Calc: -	27	I can solve any $2d - 2d$
Q7	Column Methods: x	10	I can do any Smile Multiplication
Q8	Column Methods: +	1	I can solve a $2d + 2d$
Q9	Column Methods: +	2	I can solve any $2d + 2d$
	Column Methods: -	1	I can solve a $2d - 2d$
Q10	Dangerous Maths: Algebra	4	I can use a two-step function machine



Name:

Class:

Date:

1 Complete the sequence
8, , 24,
, .

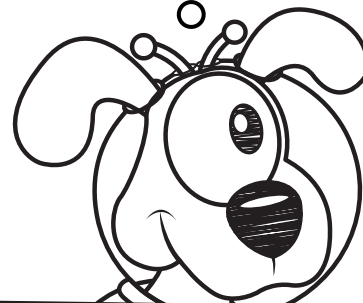
2 Place in order
311 131 331

3 Double
432 is

4 Double
437 is

5 $48 + 76 =$

6 $83 - 49 =$



7 $3 \times 40 =$

8
$$\begin{array}{r} 36 \\ + 42 \\ \hline \end{array}$$

9
$$\begin{array}{r} 37 \\ + 89 \\ \hline \end{array}$$

10
$$\begin{array}{r} 96 \\ - 42 \\ \hline \end{array}$$

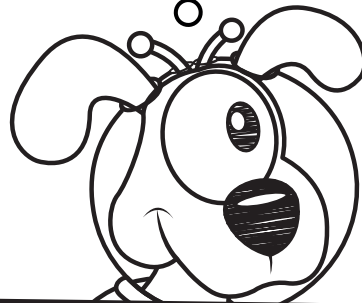




Name: _____

Class: _____

Date: _____

1 Complete the sequence $16, 24, \square, \square, 48, \square.$ **2** Place in order $254 \quad 543 \quad 245$ **3** Double
242 is**4** Double
438 is**5** $37 + 58 =$ **6** $85 - 58 =$ **7** $5 \times 30 =$ **8**
$$\begin{array}{r} 53 \\ + 24 \\ \hline \end{array}$$
9
$$\begin{array}{r} 46 \\ + 78 \\ \hline \end{array}$$
10
$$\begin{array}{r} 75 \\ - 33 \\ \hline \end{array}$$




Name:

Class:

Date:

1 Complete the sequence
8, , 24, 32,
, 48, .

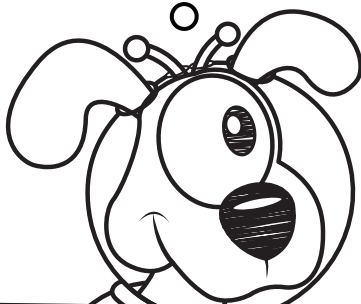
2 Place in order
627 672 276

3 Double
134 is

4 Double
264 is

5 $69 + 54 =$

6 $81 - 65 =$



7 $3 \times 90 =$

8 $71 + 26$

9 $68 + 54$

10 $87 - 54$





Name:

Class:

Date:

1 Complete the sequence

16, 24, ,
40, .

2 Place in order

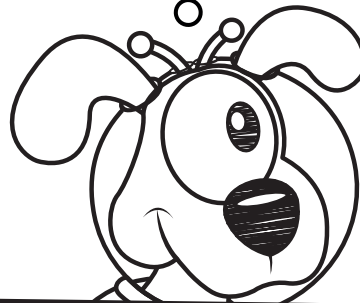
539 395 359

3 Double
334 is

4 Double
186 is

5 $75 + 86 =$

6 $74 - 47 =$



7 $3 \times 60 =$

8 $45 + 33$

9 $75 + 67$

10 $68 - 25$





Name:

Class:

Date:

1 Complete the sequence

16, , 32,
, 48

2 Place in order

468 846 486

3 Double
423 is

4 Double
397 is

5 $66 + 78 =$

6 $96 - 69 =$



7 $2 \times 80 =$

8 $62 + 25$

9 $83 + 29$

10 $49 - 23$





Name:

Class:

Date:

1 Complete the sequence

8, 16, ,

, , 48

2 Place in order

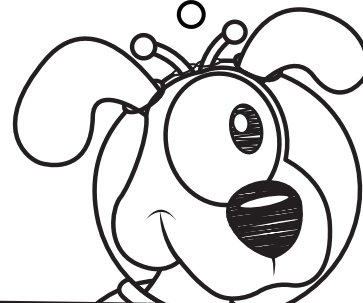
743 473 437

3 Double 321 is

4 Double 628 is

5 $95 + 46 =$

6 $92 - 56 =$



7 $5 \times 80 =$

8
$$\begin{array}{r} 23 \\ + 45 \\ \hline \end{array}$$

9
$$\begin{array}{r} 18 \\ + 97 \\ \hline \end{array}$$

10
$$\begin{array}{r} 56 \\ - 34 \\ \hline \end{array}$$





Name:

Class:

Date:

1 Complete the sequence
□, 16, 24,
□, □, 48

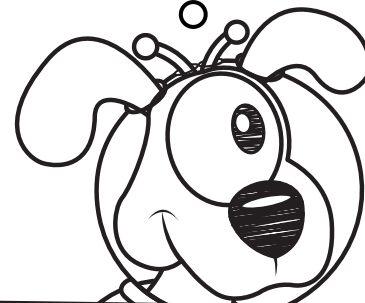
2 Place in order
390 309 903

3 Double
124 is

4 Double
756 is

5 $72 + 39 =$

6 $67 - 48 =$



7 $3 \times 80 =$

8 $51 + 38$

9 $56 + 75$

10 $77 - 45$





Name: _____

Class: _____

Date: _____

1 Complete the sequence

16, 24, , ,
48, 56, .

2 Place in order

681 861 816

3 Double
313 is**4** Double
875 is**5** $57 + 56 =$ **6** $84 - 57 =$ **7** $2 \times 40 =$ **8**
$$\begin{array}{r} 42 \\ + 46 \\ \hline \end{array}$$
9
$$\begin{array}{r} 78 \\ + 68 \\ \hline \end{array}$$
10
$$\begin{array}{r} 85 \\ - 52 \\ \hline \end{array}$$




Name:

Class:

Date:

1 Complete the sequence
 8, 16, , ,
 40, 48, , 64

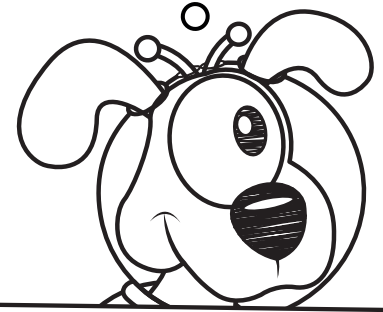
2 Place in order
 574 754 547

3 Double
 332 is

4 Double
 966 is

5 $67 + 85 =$

6 $93 - 56 =$



7 $4 \times 90 =$

8
$$\begin{array}{r} 85 \\ + 12 \\ \hline \end{array}$$

9
$$\begin{array}{r} 86 \\ + 49 \\ \hline \end{array}$$

10
$$\begin{array}{r} 63 \\ - 22 \\ \hline \end{array}$$





Name:

Class:

Date:

1 Complete the sequence
24, , 40,
, 56, .

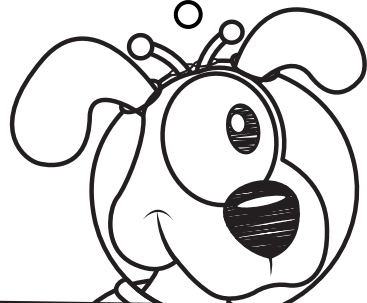
2 Place in order
435 543 453

3 Double
141 is

4 Double
586 is

5 $36 + 88 =$

6 $75 - 48 =$



7 $2 \times 70 =$

8
$$\begin{array}{r} 34 \\ + 44 \\ \hline \end{array}$$

9
$$\begin{array}{r} 67 \\ + 86 \\ \hline \end{array}$$

10
$$\begin{array}{r} 98 \\ - 64 \\ \hline \end{array}$$





Name: _____

Class: _____

Date: _____

1 Complete the sequence

8, **16**, 24,**32**, **40**.

2 Place in order

311 131 331

131 311 3313 Double
432 is**864**4 Double
437 is**874**5 $48 + 76 =$ **124**6 $83 - 49 =$ **34**7 $3 \times 40 =$ **120**8
$$\begin{array}{r} 36 \\ + 42 \\ \hline 78 \end{array}$$
9
$$\begin{array}{r} 37 \\ + 89 \\ \hline 126 \end{array}$$
10
$$\begin{array}{r} 96 \\ - 42 \\ \hline 54 \end{array}$$


MY LAST SCORE?!

HAVE I BEAT THAT?!

10



Name:

Class:

Date:

1 Complete the sequence

16, 24, 32, 40, 48, 56.

2 Place in order

254 543 245
245 254 543

3 Double 242 is

484

4 Double 438 is

876

5 37 + 58 =

95

6 85 - 58 =

27

7 5 x 30 =

150

8 53 + 24 = 77

9 46 + 78 = 124

10 75 - 33 = 42



MY LAST SCORE?!

HAVE I BEAT THAT?!



Name:

Class:

Date:

1 Complete the sequence
 8, **16**, 24, 32,
40, 48, **56**.

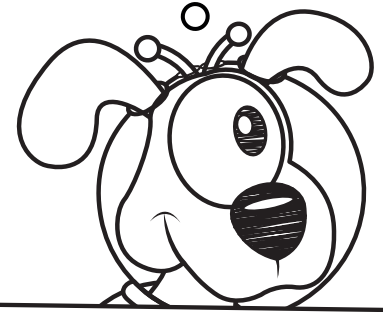
2 Place in order
 627 672 276
276 627 672

3 Double
 134 is
268

4 Double
 264 is
528

5 $69 + 54 =$
123

6 $81 - 65 =$
16



7 $3 \times 90 =$
270

8
$$\begin{array}{r} 71 \\ + 26 \\ \hline 97 \end{array}$$

9
$$\begin{array}{r} 68 \\ + 54 \\ \hline 122 \end{array}$$

10
$$\begin{array}{r} 87 \\ - 54 \\ \hline 33 \end{array}$$



MY LAST SCORE?!

HAVE I BEAT THAT?!



Name:

Class:

Date:

1 Complete the sequence
 16, 24, **32**,
 40, **48**.

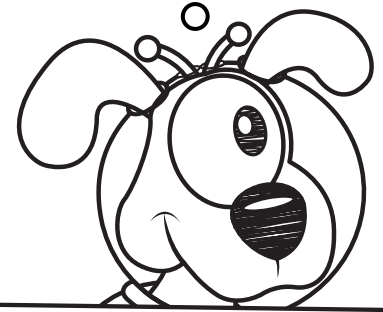
2 Place in order
 539 395 359
359 395 539

3 Double
 334 is
668

4 Double
 186 is
372

5 $75 + 86 =$
161

6 $74 - 47 =$
27



7 $3 \times 60 =$
180

8
$$\begin{array}{r} 45 \\ + 33 \\ \hline 78 \end{array}$$

9
$$\begin{array}{r} 75 \\ + 67 \\ \hline 142 \end{array}$$

10
$$\begin{array}{r} 68 \\ - 25 \\ \hline 43 \end{array}$$





Name:

Class:

Date:

1 Complete the sequence
 16, **24**, 32,
40, 48

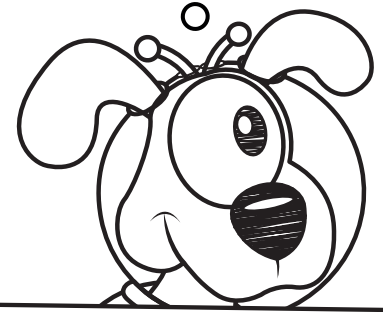
2 Place in order
 468 846 486
468 486 846

3 Double
 423 is
846

4 Double
 397 is
794

5 $66 + 78 =$
144

6 $96 - 69 =$
27



7 $2 \times 80 =$
160

8
$$\begin{array}{r} 62 \\ + 25 \\ \hline 87 \end{array}$$

9
$$\begin{array}{r} 83 \\ + 29 \\ \hline 112 \end{array}$$

10
$$\begin{array}{r} 49 \\ - 23 \\ \hline 26 \end{array}$$





Name:

Class:

Date:

1 Complete the sequence

8, 16, **24**,

32, **40**, 48

2 Place in order

743 473 437

437 473 743

3 Double 321 is

642

4 Double 628 is

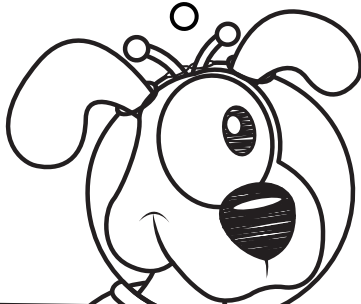
1256

5 $95 + 46 =$

141

6 $92 - 56 =$

36



7 $5 \times 80 =$

400

8

$$\begin{array}{r} 23 \\ + 45 \\ \hline 68 \end{array}$$

9

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

10

$$\begin{array}{r} 56 \\ - 34 \\ \hline 22 \end{array}$$


MY LAST SCORE?!

HAVE I BEAT THAT?!



Name: _____

Class: _____

Date: _____

1 Complete the sequence

8, 16, 24,

32, 40, 48

2 Place in order

390 309 903

309 390 903

3 Double
124 is

248

4 Double
756 is

1512

5 $72 + 39 =$

111

6 $67 - 48 =$

19

7 $3 \times 80 =$

240

8
$$\begin{array}{r} 51 \\ + 38 \\ \hline 89 \end{array}$$
9
$$\begin{array}{r} 56 \\ + 75 \\ \hline 131 \end{array}$$
10
$$\begin{array}{r} 77 \\ - 45 \\ \hline 32 \end{array}$$


MY LAST SCORE?!

HAVE I BEAT THAT?!

10



Name:

Class:

Date:

1 Complete the sequence
 16, 24, **32**, **40**,
 48, 56, **64**.

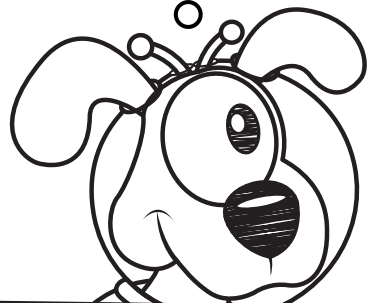
2 Place in order
 681 861 816
681 816 861

3 Double
 313 is
626

4 Double
 875 is
1750

5 $57 + 56 =$
113

6 $84 - 57 =$
27



7 $2 \times 40 =$
80

8
$$\begin{array}{r} 42 \\ + 46 \\ \hline 88 \end{array}$$

9
$$\begin{array}{r} 78 \\ + 68 \\ \hline 146 \end{array}$$

10
$$\begin{array}{r} 85 \\ - 52 \\ \hline 33 \end{array}$$



MY LAST SCORE?!

HAVE I BEAT THAT?!



Name:

Class:

Date:

1 Complete the sequence
 8, 16, **24**, **32**,
 40, 48, **56**, 64

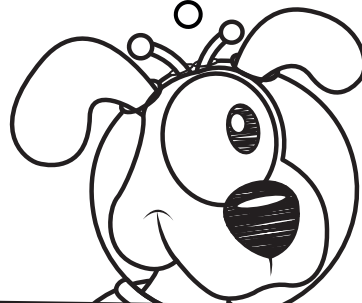
2 Place in order
 574 754 547
547 574 754

3 Double
 332 is
664

4 Double
 966 is
1932

5 $67 + 85 =$
152

6 $93 - 56 =$
37



7 $4 \times 90 =$
360

8
$$\begin{array}{r} 85 \\ + 12 \\ \hline 97 \end{array}$$

9
$$\begin{array}{r} 86 \\ + 49 \\ \hline 135 \end{array}$$

10
$$\begin{array}{r} 63 \\ - 22 \\ \hline 41 \end{array}$$



MY LAST SCORE?!

HAVE I BEAT THAT?!



Name:

Class:

Date:

1 Complete the sequence

24, **32**, 40,
48, 56, **64**.

2 Place in order

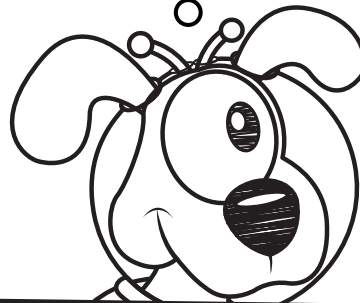
435 543 453
435 453 543

3 Double
141 is

282

4 Double
586 is

1172



5 $36 + 88 =$

124



6 $75 - 48 =$

27



7 $2 \times 70 =$

140

8
$$\begin{array}{r} 34 \\ + 44 \\ \hline 78 \end{array}$$



9
$$\begin{array}{r} 67 \\ + 86 \\ \hline 153 \end{array}$$



10
$$\begin{array}{r} 98 \\ - 64 \\ \hline 34 \end{array}$$



MY LAST SCORE?!

HAVE I BEAT THAT?!