Column 1 (red)

1. Write the number that comes after 5.

2. How many circles?

3. 1 + 2 =

4. 2 + ☐ = 6

5. Draw a square.

6. Which line is the longest?

a ─────────

b ─────

c ───────

7. 4 + 6 =

8. 8 + ☐ = 10

9. Is this correct?
   2 < 7

10. Write the missing numbers.

3, 4, ☐, 6, ☐

Column 2 (blue)

1. 7 + ☐ = 16

2. Write the missing numbers.
   20, 25, ☐, ☐, 40

3. How much is shaded?
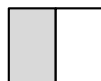
4. 17 − ☐ = 9

5. 3 chairs have ☐ legs.
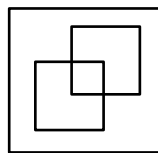
6. 19 − 1 =

7. $\frac{1}{2}$ of 10 =

8. 3 + 3 + 3 =

9. 10 less than 80 =

10. Ted had 9 chocolates and ate 2. How many were left?

11. 14 + 2 =

12. 9 + ☐ = 20

Column 3 (orange)

1. How many squares can you count?

2. 4 + 4 + ☐ = 12

3. 831 = 800 + ☐ + 1

4. (4 x 6) + 2 =

5. What is the next number?
   12, 15, 18, 21, ☐

6. 3 x ☐ = 21

7. Write < or >
   31 ☐ 67

8. What is the biggest number you can make from these digits?
   7, 4, 6

9. I think of a number, I add 4 to that number. My answer is 19. What number did I think of?

10. How many minutes are there in half an hour?

11. 24 ÷ 3 =

Column 4 (green)

1. How many faces does a cuboid have?

2. 78 x 10 = ☐

3. Which is the odd number?
   768   451   780   458

4. 12 + 17 + 29 =

5. $\frac{1}{2}$ of 42 =

6. What is the value of 7 in 9743?

7. Round 632 to the nearest 100.

8. What are the next two numbers?
   23, 28, 33, 38, ☐, ☐

9. What is the largest number you can make from 9, 2, 5 and 8?

10. How many minutes are there in an hour and a half?

11. I think of a number, I subtract 13 from that number. My answer is 65. What number did I think of?

12. Write $\frac{1}{4}$ as a decimal.

13. Work out the perimeter.   8cm

3cm ☐

Column 5 (purple)

1. Write 22 minutes to 7 in the morning in the 24 hour clock.

2. What is the difference between 31 and 97?

3. Find the mean of 14, 12 and 16.

4. What is the product of 6 and 4?

5. Multiply 23 by 100.

6. What is 4^2?

7. What is the total of 5.1 and 3.8?
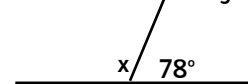
8. Write $\frac{62}{100}$ as a decimal.

9. I think of a number, I multiply it by 8 and then subtract 12. My answer is 60. What number did I think of?

10. What number is halfway between 9 and 10?

11. Round 7.9 to the nearest whole number.

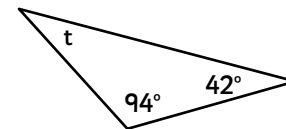12. How many vertices are there on a tetrahedron?

13. What size is angle x?

x / 78°

Column 6 (pink)

1. 12^2 =

2. Put these in order, starting with the smallest.
   $\frac{13}{100}$ 11%   0.18

3. What is the size of angle t?

t
94°   42°

4. 10% of 73 =

5. The temperature is −2°C. It rises 6°C. What is the new temperature?

6. $3^2 + 9^2$ =

7. 2.42 x 1000 =

8. 2 x ☐ x 4 = 56

9. (3 x 4) + (9 x 8) =

10. What are the next two numbers?
    21, 15, 9, 3, ☐, ☐

11. Put these numbers in order, largest first.
    4.74   4.094   4.2

12. Write $\frac{7}{10}$ as a decimal.

13. 0.3 x 12 =

14. 18 + 0.9 + 3.2 =

15. 8.2 − 6.7 =

Column 1 (Red)

1. Write the number that comes after 5. **6**

2. How many circles? **5**

3. 1 + 2 = **3**

4. 2 + **4** = 6

5. Draw a square.

6. Which line is the longest?
a ―――――――
b ―――
c ――――――――

7. 4 + 6 = **10**

8. 8 + **2** = 10

9. Is this correct?
2 < 7 **yes**

10. Write the missing numbers.

3, 4, **5**, 6, **7**

Column 2 (Blue)

1. 7 + **9** = 16

2. Write the missing numbers.
20, 25, **30**, **35**, 40

3. How much is shaded?
$\frac{1}{2}$

4. 17 − **8** = 9

5. 3 chairs have **12** legs.

6. 19 − 1 = **18**
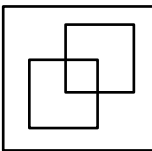
7. $\frac{1}{2}$ of 10 = **5**

8. 3 + 3 + 3 = **9**

9. 10 less than 80 = **70**

10. Ted had 9 chocolates and ate 2. How many were left? **7**

11. 14 + 2 = **16**

12. 9 + **11** = 20

Column 3 (Orange)

1. How many squares can you count?
4

2. 4 + 4 + **4** = 12

3. 831 = 800 + **30** + 1

4. (4 x 6) + 2 = **26**

5. What is the next number?
12, 15, 18, 21, **24**

6. 3 x **7** = 21

7. Write < or >
31 **<** 67

8. What is the biggest number you can make from these digits?
7, 4, 6   **764**

9. I think of a number, I add 4 to that number. My answer is 19. What number did I think of?
15

10. How many minutes are there in half an hour? **30**

11. 24 ÷ 3 = **8**

Column 4 (Green)

1. How many faces does a cuboid have? **6**

2. 78 x 10 = **780**

3. Which is the odd number?
768   **451**   780   458

4. 12 + 17 + 29 = **58**

5. $\frac{1}{2}$ of 42 = **21**

6. What is the value of 7 in 9743? **700**

7. Round 632 to the nearest 100. **600**

8. What are the next two numbers?
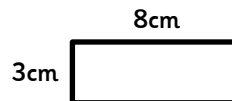23, 28, 33, 38, **43**, **48**

9. What is the largest number you can make from 9, 2, 5 and 8? **9852**

10. How many minutes are there in an hour and a half? **90**

11. I think of a number, I subtract 13 from that number. My answer is 65. What number did I think of? **78**

12. Write $\frac{1}{4}$ as a decimal. **0.25**

13. Work out the perimeter. **22cm**
8cm
3cm

Column 5 (Purple)

1. Write 22 minutes to 7 in the morning in the 24 hour clock. **06:38**

2. What is the difference between 31 and 97? **66**

3. Find the mean of 14, 12 and 16. **14**

4. What is the product of 6 and 4? **24**

5. Multiply 23 by 100. **2300**

6. What is 4^2? **16**

7. What is the total of 5.1 and 3.8? **8.9**

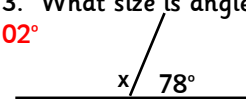8. Write $\frac{62}{100}$ as a decimal. **0.62**

9. I think of a number, I multiply it by 8 and then subtract 12. My answer is 60. What number did I think of? **9**

10. What number is halfway between 9 and 10? **9.5**

11. Round 7.9 to the nearest whole number. **8**

12. How many vertices are there on a tetrahedron? **4**
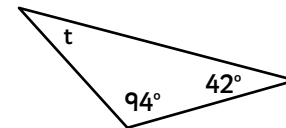
13. What size is angle x? **102°**
x 78°

Column 6 (Pink)

1. 12^2 = **144**

2. Put these in order, starting with the smallest.
11% $\frac{13}{100}$ 0.18

3. What is the size of angle t? **44°**
t
94°   42°

4. 10% of 73 = **7.3**

5. The temperature is −2°C. It rises 6°C. What is the new temperature? **4°C**

6. $3^2 + 9^2$ = **90**

7. 2.42 x 1000 = **2420**

8. 2 x **7** x 4 = 56

9. (3 x 4) + (9 x 8) = **84**

10. What are the next two numbers?
21, 15, 9, 3, **−3**, **−9**

11. Put these numbers in order, largest first.
4.74, 4.2, 4.094

12. Write $\frac{7}{10}$ as a decimal. **0.7**

13. 0.3 x 12 = **3.6**

14. 18 + 0.9 + 3.2 = **22.1**

15. 8.2 − 6.7 = **1.5**

classroomsecrets.com **ANSWERS**
Mixed Mental Maths EMW – Pack 2 – Worksheet 1

Column 1 (red)

1. 1 more than 6 is ☐

2. 6 – 3 =

3. 1 less than 4 is ☐

4. Write the missing numbers.
8, 9, ☐ , 11, ☐

5. 2 + ☐ = 10

6. Count on in 5's
10, 15, 20, ☐ , ☐
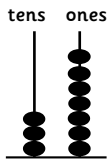
7. 3 + 2 + 1 =

8. 10 more than 45 is ☐

9. Which is a cylinder?
a)   b)   c)   d)

tens   ones

10. ☐

Column 2 (blue)
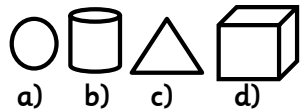
1. 9 – ☐ = 2

2. James has 12 buttons. He gives 4 to Brad. How many buttons does he have now?

3. 3 cats have ☐ legs

4. There are ☐ triangles.

5. Choose 2 numbers that add up to 3.
2 0 3 4

6. 0 + 4 =

7. 16 – 1 =

8. ☐
tens   ones

9. A cylinder has ☐ faces.

10. 45 + ☐ = 55

11. 16 + 19 =

Column 3 (orange)

1. What is the next number? 50, 60, 70,

2. ☐
h   t   o

3. 8 10   ?

4. What is the sum of 8, 4 and 7?

5. Take 1 from 500.

6. Draw the next shape.
△□○△□○△

7. Which is the greatest number?
82, 87, 63, 78, 35

8. Which number does not belong?
3, 6, 9, 11, 12

9. Does 4 x 6 have the same value as 6 x 4?
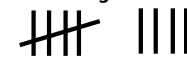
10. How many tens are in 30?

11. 5 + 5 + 5 = 5 x ☐

12. How many weeks are there in 1 month?

Column 4 (green)

1. Is this angle obtuse, acute or a right-angle?

2. Subtract 13 from five eighths.

3. 72 ÷ 8 =

4. What number does this tally show?
卌 卌 ||||

5. What are the factors of 12?

6. What is half of £3?

7. Round 62 to the nearest 10.

8. Continue this sequence
$2\frac{1}{2}$, $3\frac{1}{2}$, $4\frac{1}{2}$, ☐ , ☐

9. Write the operation to make this calculation correct.
36 ☐ 6 = 6

10. What is 100 less than 5011?

11. Which unit should you use to measure a pencil case?

12. What needs to be added to 531 to make 700?

13. Write 0.5 as a fraction?

Column 5 (purple)

1. What number is halfway between 6800 and 8200?

2. Rewrite $\frac{3}{12}$ in its lowest terms.

3. What fraction of an hour is 1 minute?

4. 10% of 90 =

5. 0.7 + 0.004 + 7.05 =

6. Put these numbers in order, largest first.
3.543, 4.005, 4.0011, 4.01

7. Complete the sequence.
5.4, 5.7, 6, ☐ , ☐

8. Which is the odd one out?
674   543   879   891   645

9. What is the value of n?
12 + n = 54

10. Double 46

11. Estimate 651 + 296

12. What is the ninth month of the year?

13. (6 x 7) + (4 x 8) =

14. The school raised £1786 in 2012 and £2704 in 2013. How much did they raise in total?

Column 6 (pink)

1. What is the average of 6.9 and 7.3?

2. $7^2 = 37 + ☐$

3. x = 2, y = 4
5y + 3x =

4. 25% of 460

5. What is $\frac{1}{2}$ of $\frac{1}{4}$?

6. $4^3 =$

7. What number is halfway between –5 and 5?

8. Write this number in words 93,072

9. 482 ÷ 2 =

10. Complete the sequence.
2.15, 2.25, 2.35, ☐ , ☐

11. Put these numbers in order, largest first.
1.269   12.6   1.029

12. Maud starts school at 8:40 and finishes school at twenty-five past three. How long is the school day?

13. How many months are there in five years?

14. Insert <, > or =
0.093 ☐ 0.09

classroomsecrets.com

Mixed Mental Maths EMW – Pack 2 – Worksheet 2

Column 1 (red):

1. 1 more than 6 is **7**

2. 6 − 3 = **3**

3. 1 less than 4 is **3**
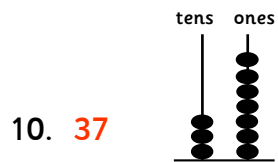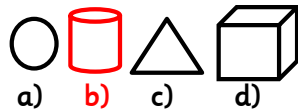
4. Write the missing numbers.
8, 9, **10**, 11, **12**

5. 2 + **8** = 10

6. Count on in 5's
10, 15, 20, **25**, **30**

7. 3 + 2 + 1 = **6**

8. 10 more than 45 is **55**

9. Which is a cylinder?

a) b) c) d)

tens ones

10. **37**

Column 2 (blue):

1. 9 − **7** = 2

2. James has 12 buttons. He gives 4 to Brad. How many buttons does he have now? **8**
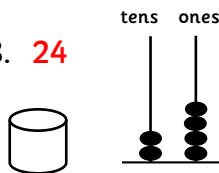
3. 3 cats have **12** legs

4. There are **5** triangles.

5. Choose 2 numbers that add up to 3. **3 + 0**
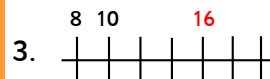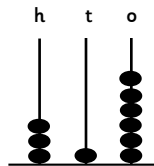2 **0** **3** 4

6. 0 + 4 = **4**

7. 16 − 1 = **15**

8. **24**

tens ones

9. A cylinder has **3** faces.

10. 45 + **10** = 55

11. 16 + 19 = **35**

Column 3 (orange):

1. What is the next number? 50, 60, 70, **80**

2. **316**

h t o

3.
8 10 **16**

4. What is the sum of 8, 4 and 7? **19**

5. Take 1 from 500. **499**

6. Draw the next shape.
△□○△□○△**□**

7. Which is the greatest number?
82, **87**, 63, 78, 35
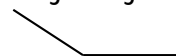
8. Which number does not belong?
3, 6, 9, 11, 12 **11**

9. Does 4 x 6 have the same value as 6 x 4? **yes**

10. How many tens are in 30? **3**

11. 5 + 5 + 5 = 5 x **3**

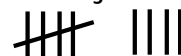12. How many full weeks are there in 1 month? **4**

Column 4 (green):

1. Is this angle obtuse, acute or a right-angle? **obtuse**

2. Subtract 13 from five eights. **27**

3. 72 ÷ 8 = **9**

4. What number does this tally show? **9**

5. What are the factors of 12? **1, 12, 2, 6, 3, 4**

6. What is half of £3? **£1.50**

7. Round 62 to the nearest 10. **60**

8. Continue this sequence
$2\frac{1}{2}$, $3\frac{1}{2}$, $4\frac{1}{2}$, $5\frac{1}{2}$, $6\frac{1}{2}$

9. Write the operation to make this calculation correct.
36 **÷** 6 = 6

10. What is 100 less than 5011? **4911**

11. Which unit should you use to measure a pencil case? **centimetres**

12. What needs to be added to 531 to make 700? **169**

13. Write 0.5 as a fraction? $\frac{1}{2}$

Column 5 (purple):

1. What number is halfway between 6800 and 8200? **7500**

2. Rewrite $\frac{3}{12}$ in its lowest terms. $\frac{1}{4}$

3. What fraction of an hour is 1 minute? $\frac{1}{60}$

4. 10% of 90 = **9**

5. 0.7 + 0.004 + 7.05 = **7.754**

6. Put these numbers in order, largest first.
4.01, 4.005, 4.0011, 3.543

7. Complete the sequence.
5.4, 5.7, **6**, 6.3, 6.6

8. Which is the odd one out?
674 543 879 891 645

9. What is the value of n?
12 + n = 54 **n = 42**

10. Double 46 **92**

11. Estimate 651 + 296 **950**

12. What is the ninth month of the year? **September**

13. (6 x 7) + (4 x 8) = **74**

14. The school raised £1786 in 2012 and £2704 in 2013. How much did they raise in total? **£4490**

Column 6 (pink):

1. What is the average of 6.9 and 7.3? **7.1**

2. 7^2 = 37 + **12**

3. x = 2, y = 4
5y + 3x = **26**

4. 25% of 460 **115**

5. What is $\frac{1}{2}$ of $\frac{1}{4}$? $\frac{1}{8}$

6. 4^3 = **64**

7. What number is halfway between −5 and 5? **0**

8. Write this number in words 93,072 **ninety-three thousand and seventy-two.**

9. 482 ÷ 2 = **241**
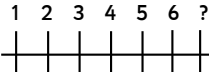
10. Complete the sequence.
2.15, 2.25, 2.35, **2.45**, **2.55**

11. Put these numbers in order, largest first.
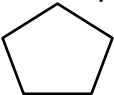**12.6**, 1.269, 1.029

12. Maud starts school at 8:40 and finishes school at twenty-five past three. How long is the school day? **6 hours and 45 minutes**

13. How many months are there in five years? **60**

14. Insert <, > or =
0.093 **>** 0.09

classroomsecrets.com **ANSWERS**
Mixed Mental Maths EMW – Pack 2 – Worksheet 2

Column 1 (red):

1. 2 more than 3 is ☐

2. 3 : 00 is 3 o'clock
   8 o'clock is ☐ : ☐

3. 0 + ☐ = 8

4. Who has more?
   Ted | May
   ★★★★ | ★★★
   ★★★ | ★★
   (star diagram)

5. 1 2 3 4 5 6 ?
   (number line)

6. 9 – ☐ = 7

7. 8 + ☐ = 18

8. 5 + 1 + 3 =

9. Count on in 2s
   8, 10, 12, ☐, ☐

10. Ten more than 15 is ☐

11. 24 + 5 =

12. Take 100 from 800.

Column 2 (blue):

1. 15 take away 4

2. 5 tens =

3. 10 more than 60 is ☐

4. A square has ☐ sides.

5. 14 – 6 = ☐ tens and ☐ ones.

6. ☐ – 3 = 17

7. 5 + 5 + ☐ = 15

8. Which is the greatest?
   84, 42, 59, 81

9. 90 = 20 + 50 + ☐

10. A football is a ☐
    (sphere, cube, cuboid)

11. 11 ☐ 9
    greater than >
    less than <

12. 9 + 9 =

Column 3 (orange):

1. Is this a right angle?
   (angle diagram)

2. What is the total?
   7ml + 11ml + 9ml + 6ml

3. Jamie bought 3 chocolate bars. They were 25p each. How much did they cost altogether?

4. What will the date be 1 week after the 9th of April?

5. 40 ÷ 10 =

6. What is half of 200?

7. Freya ate $\frac{1}{4}$ of a bag of crisps. What fraction was left?

8. Write a number between 70 and 90 that is nearer to 90.

9. 45 ÷ 5 =

10. What is 40 more than 20?

11. What shape is this?
    (pentagon diagram)

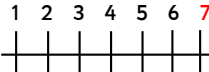12. What is the next even number after 23?

Column 4 (green):

1. How many right angles are there in 2 rectangles?

2. A television programme starts at 3:35pm and finishes at 4:00pm. How long does the programme last?

3. 72 ÷ 8 =

4. 6 x 9 =

5. What is the product of 8 and 3?

6. 640 ÷ 10 =

7. Daisy was born in 1995. How old was she in 2008?

8. Round this fraction to the nearest whole number.
   $12 \frac{9}{10}$

9. How many millilitres are there in a quarter of a litre?

10. $\frac{9}{10} - \frac{6}{10} =$

11. 17 + 8 = ☐ ÷ 2

12. Which two numbers make 350?
    236 114 192 201

13. How many tenths are in 3.9?

14. 80 – 7.0 =

15. 9 x 12 =

Column 5 (purple):

1. Is this an isosceles, equilateral or scalene triangle?
   (triangle diagram)

2. Reduce forty-two thousand by four thousand.

3. What fraction of a week is 1 day?

4. Jenny leaves the supermarket at 17:05. She was there for 1 hour and 15 minutes. What time did she arrive?

5. 708cm = ☐ m

6. Jamie bought a large chocolate bar for £2.31. He paid with a £5 note. How much change did he receive?

7. Imagine a 100 number square. What number is 2 squares to the left of 76?

8. $\frac{1}{4}$ kg = ☐

9. What is the total of the even numbers?
   92 57 36 41

10. 150 + ☐ = 1000

11. (259 – 139) – 7 =

12. 6 x 7 = ☐ + 36

Column 6 (pink):

1. Claire bought three notebooks at £2.17 each. How much did she spend? Calculate her change from £20.

2. Perdita cut four 15.2cm lengths from a roll of 90cm ribbon. How much was left?

3. Round $9 \frac{5}{8}$ to the nearest whole number.

4. $\frac{3}{5}$ of 250 =

5. Write the next three numbers in the sequence.
   $1 \frac{1}{6}$, $1 \frac{1}{2}$, $1 \frac{5}{6}$,

6. Parrie is facing south-west. She turns anti-clockwise 45°. What direction is she facing now?

7. What is the sum of the even numbers between 19 and 24?

8. 0.5 of 36 =

9. I think of a number. I multiply it by 9, divide it by 10 and then add 6.3. My answer is 12.6. What number did I think of?

10. Which number is 452 less than 2119?

11. 132 ÷ 12 = half of ☐

Column 1 (Red):

1. 2 more than 3 is **5**

2. **3 : 00** is 3 o'clock
8 o'clock is **8 : 00**

3. 0 + **8** = 8

4. Who has more?
Ted | May
Ted

5.
```
  1 2 3 4 5 6 7
|-+-+-+-+-+-+-|
```

6. 9 – **2** = 7

7. 8 + **10** = 18

8. 5 + 1 + 3 = **9**

9. Count on in 2s
8, 10, 12, **14**, **16**

10. Ten more than 15 is **25**

11. 24 + 5 = **29**

12. Take 100 from 800. **700**

Column 2 (Blue):

1. 15 take away 4 **11**

2. 5 tens = **50**

3. 10 more than 60 is **70**

4. A square has **4** sides.

5. 14 – 6 = **0** tens and **8** ones.

6. **20** – 3 = 17

7. 5 + 5 + **5** = 15

8. Which is the greatest?
84, 42, 59, 81

9. 90 = 20 + 50 + **20**

10. A football is a (**sphere**, cube, cuboid)

11. 11 **>** 9
greater than **>**
less than **<**

12. 9 + 9 = **18**

Column 3 (Orange):

1. Is this a right angle? **no**

2. What is the total?
7ml + 11ml + 9ml + 6ml
33ml

3. Jamie bought 3 chocolate bars. They were 25p each. How much did they cost altogether? **75p**

4. What will the date be 1 week after the 9th of April? **16th April**

5. 40 ÷ 10 = **4**

6. What is half of 200? **100**

7. Freya ate $\frac{1}{4}$ of a bag of crisps. What fraction was left? $\frac{3}{4}$

8. Write a number between 70 and 90 that is nearer to 90. **81, 82, 83, 84, 85, 86, 87, 88, 89**

9. 45 ÷ 5 = **9**

10. What is 40 more than 20? **60**

11. What shape is this? **pentagon**

12. What is the next even number after 23? **24**

Column 4 (Green):

1. How many right angles are there in 2 rectangles? **8**

2. A television programme starts at 3:35pm and finishes at 4:00pm. How long does the programme last? **25 minutes**

3. 72 ÷ 8 = **9**

4. 6 x 9 = **54**

5. What is the product of 8 and 3? **24**

6. 640 ÷ 10 = **64**

7. Daisy was born in 1995. How old was she in 2008? **13**

8. Round this fraction to the nearest whole number.
$12 \frac{9}{10}$ **13**

9. How many millilitres are there in a quarter of a litre? **250ml**

10. $\frac{9}{10} - \frac{6}{10} = \frac{3}{10}$

11. 17 + 8 = **50** ÷ 2

12. Which two numbers make 350?
236 **114** 192 201

13. How many tenths are in 3.9? **9**

14. 80 – 7.0 = **73**

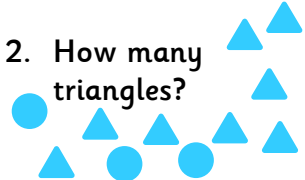15. 9 x 12 = **108**

Column 5 (Purple):

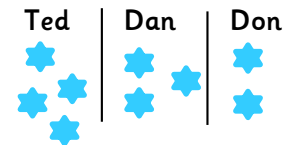1. Is this an isosceles, equilateral or scalene triangle?
isosceles

2. Reduce forty-two thousand by four thousand. **38,000**

3. What fraction of a week is 1 day? $\frac{1}{7}$

4. Jenny leaves the supermarket at 17:05. She was there for 1 hour and 15 minutes. What time did she arrive? **15:50**

5. 708cm = **7.08m**

6. Jamie bought a large chocolate bar for £2.31. He paid with a £5 note. How much change did he receive? **£2.69**

7. Imagine a 100 number square. What number is 2 squares to the left of 76? **74**

8. $\frac{1}{4}$ kg = **250g**

9. What is the total of the even numbers?
92 + 36 = 128

10. 150 + **850** = 1000

11. (259 – 139) – 7 = **113**

12. 6 x 7 = **6** + 36

Column 6 (Pink):

1. Claire bought three notebooks at £2.17 each. How much did she spend? Calculate her change from £20. **Spent £6.51, £13.49 change**

2. Perdita cut four 15.2cm lengths from a roll of 90cm ribbon. How much was left? **29.2cm**

3. Round $9 \frac{5}{8}$ to the nearest whole number. **10**

4. $\frac{3}{5}$ of 250 = **150**

5. Write the next three numbers in the sequence.
$1 \frac{1}{6}, 1 \frac{1}{2}, 1 \frac{5}{6}, 2 \frac{1}{6}, 2 \frac{1}{2}, 2 \frac{5}{6}$

6. Parrie is facing south-west. She turns anti-clockwise 45°. What direction is she facing now? **south**

7. What is the sum of the even numbers between 19 and 24? **42**

8. 0.5 of 36 = **18**

9. I think of a number. I multiply it by 9, divide it by 10 and then add 6.3. My answer is 12.6. What number did I think of? **7**

10. Which number is 452 less than 2119? **1667**

11. 132 ÷ 12 = half of **22**

Column 1 (red):

1. 2 less than 9 is ☐

2. How many triangles?

3. Who has 2 less than Ted?

| Ted | Dan | Don |

4. Draw 4 circles. Draw a ring around $\frac{1}{2}$

5. 14 + 2 =

6. 10 – 5 =

7. Count in 2s
   10, 12, 14, ☐, ☐

8. 5 people have ☐ legs.

9.
30 31 32 ? 38

10. 6 + 6 + 6 =

11. 9 – 2 =

Column 2 (blue):
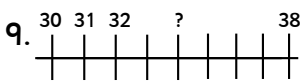
1. 18 – 4 =

2. Count on in 10s.
   30, 40, 50, ☐, ☐

3. Jamie has 9 sweets and he eats 3. How many are left?

4. Draw the next shape.
   ☐ O O ☐ O

5. 20 – 10 =

6. 13 minutes past 9 o'clock is ☐ : ☐

7. Choose 3 numbers that add up to 3.
   1 0 1 2 4

8. 4 + ☐ = 20

9. 50 = 20 + 10 + ☐

10. Hassan had 12 pebbles. He lost $\frac{1}{2}$ of them. How many did he have left?

11. ☐ – 13 = 7

Column 3 (orange):

1. Describe the faces of a cube.

2. In class 3J there are 9 girls and 13 boys. How many children are in 3J?

3. How many days are there in April?

4. How many legs do 3 camels have?

5. What is double 40?

6. 200 + 70 + 9 =

7. 213 – 100 =

8. What is the smallest number you can make from these digits?
   8, 2, 9

9. Ten pencils fill in a pencil case. How many pencil cases will 80 pencils fill?

10. 40 + 40 + 40 =

11. 6 x 3 =

12. There are ☐ 10p's in £1.00

13. 20 – 4 – 7 =

Column 4 (green):

1. Write $\frac{4}{10}$ as a decimal.

2. Which is less 43 tens or 5 hundreds?

3. Order these numbers, starting with the largest.
   978 870 897 987 879

4. How many days are there altogether in July and August?

5. Is 15 x 5 < 30 x 3?

6. If I eat $\frac{6}{8}$ of a cake, what fraction is left over?

7. Add the odd numbers.
   79 32 37 47 38 61

8. Subtract twenty-four from five eighteens.

9. 5 – $\frac{3}{8}$ =

10. How many nines are in fifty-four?

11. Find the average of 14 and 22.

12. How many quarter turns are there in half a circle?

13. What is 10 more than 9.3?

14. 89 + 54 =

15. Double 168

Column 5 (purple):

1. The product of two numbers is 144. One number is 12. What is the other?

2. Is a hexagon a quadrilateral?

3. How many sides has a pentagon?

4. Is 81 a multiple of 8?

5. Take 3 tenths from 2.89

6. Damien has a 1l bottle of water. He pours out 850ml. How much is left in the bottle?

7. A pair of jeans cost £25. They are reduced by 10% in the sale. What is the sale price?

8. What number is three quarters of 52?

9. Make 490 using four of these numbers.
   67 163 123 154 106

10. Find the difference between 3400 and 980.

11. Which 5 coins would make 84p?

12. Marissa has £3.78. She wants to buy a board game at £8.99. How much more money does she need?

Column 6 (pink):

1. A jacket costs £58.30. In the winter sale, every item has 20% off. How much did the jacket cost in the sale?

2. 6957 ÷ 7 =

3. What is half of one hundred thousand?

4. Which 2D shape has 6 angles that add up to 360°?

5. Summer was carrying a 5l watering can. She used 3015ml to water the tomatoes. Write the amount left in the can in litres.

6. Courtney got 16 out of 20 in her spelling test. What percentage did she get?

7. Imagine a number square. What number is three squares below 36?

8. How many days are there in 3 years?

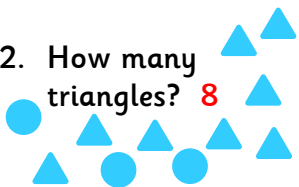9. Round 32.053 to 2 decimal places.

10. What is the largest remainder you can have when you divide by 7?
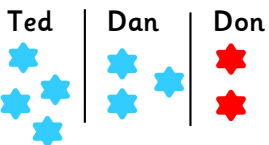
11. How many angles has a pentagon?

Column 1 (Red)

1. 2 less than 9 is **7**

2. How many triangles? **8**

3. Who has 2 less than Ted?

Ted	Dan	Don

4. Draw 4 circles. Draw a ring around $\frac{1}{2}$

5. 14 + 2 = **16**

6. 10 – 5 = **5**

7. Count in 2s
10, 12, 14, **16**, **18**

8. 5 people have **10** legs.

9.
```
30 31 32  34      38
```


10. 6 + 6 + 6 = **18**

11. 9 – 2 = **7**

© Classroom Secrets Limited 2014   classroomsecrets.com **ANSWERS**
Mixed Mental Maths EMW – Pack 2 – Worksheet 4

Column 2 (Blue)
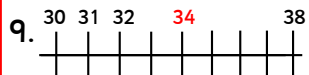
1. 18 – 4 = **14**

2. Count on in 10s.
30, 40, 50, **60**, **70**

3. Jamie has 9 sweets and he eats 3. How many are left? **6**

4. Draw the next shape.

5. 20 – 10 = **10**

6. 13 minutes past 9 o'clock is **9 : 13**

7. Choose 3 numbers that add up to 3.
1 **0** **1** **2** 4

8. 4 + **16** = 20

9. 50 = 20 + 10 + **20**

10. Hassan had 12 pebbles. He lost $\frac{1}{2}$ of them. How many did he have left? **6**

11. **20** – 13 = 7

Column 3 (Orange)

1. Describe the faces of a cube. **6 flat, square faces**

2. In class 3J there are 9 girls and 13 boys. How many children are in 3J? **22**

3. How many days are there in April? **30**

4. How many legs do 3 camels have? **12**

5. What is double 40? **80**

6. 200 + 70 + 9 = **279**

7. 213 – 100 = **113**

8. What is the smallest number you can make from these digits?
8, 2, 9   **289**

9. Ten pencils fill in a pencil case. How many pencil cases will 80 pencils fill? **8**

10. 40 + 40 + 40 = **120**

11. 6 x 3 = **18**

12. There are **10** 10p's in £1.00

13. 20 – 4 – 7 = **9**

Column 4 (Green)

1. Write $\frac{4}{10}$ as a decimal. **0.4**

2. Which is less 43 tens or 5 hundreds? **43 tens**

3. Order these numbers, starting with the largest. 987 978 897 879 870
987 978 897 879 870

4. How many days are there altogether in July and August? **62**

5. Is 15 x 5 < 30 x 3? **yes**

6. If I eat $\frac{6}{8}$ of a cake, $\frac{2}{8}$ or what fraction is left over? $\frac{1}{4}$

7. Add the odd numbers.
79 32 37 47 38 61
79 + 37 + 47 + 61 = 224

8. Subtract twenty-four from five eighteens. **66**

9. 5 – $\frac{3}{8}$ = 4 $\frac{5}{8}$

10. How many nines are in fifty-four? **6**

11. Find the average of 14 and 22. **18**

12. How many quarter turns are there in half a circle? **2**

13. What is 10 more than 9.3? **19.3**

14. 89 + 54 = **143**

15. Double 168 **336**

Column 5 (Purple)

1. The product of two numbers is 144. One number is 12. What is the other? **12**

2. Is a hexagon a quadrilateral? **no**

3. How many sides has a pentagon? **5**

4. Is 81 a multiple of 8? **no**

5. Take 3 tenths from 2.89 **2.59**

6. Damien has a 1l bottle of water. He pours out 850ml. How much is left in the bottle? **150ml**

7. A pair of jeans cost £25. They are reduced by 10% in the sale. What is the sale price? **£22.50**

8. What number is three quarters of 52? **39**

9. Make 490 using four of these numbers.
67 163 123 **154 106**

10. Find the difference between 3400 and 980. **2420**

11. Which 5 coins would make 84p? **50p 20p 10p 2p 2p**

12. Marissa has £3.78. She wants to buy a board game at £8.99. How much more money does she need? **£5.21**

Column 6 (Pink)

1. A jacket costs £58.30. In the winter sale, every item has 20% off. How much did the jacket cost in the sale? **£46.64**

2. 6957 ÷ 7 = **993 r 6**

3. What is half of one hundred thousand? **50,000**

4. Which 2D shape has 6 angles that add up to 360°? **regular hexagon**

5. Summer was carrying a 5l watering can. She used 3015ml to water the tomatoes. Write the amount left in the can in litres. **1.985l**

6. Courtney got 16 out of 20 in her spelling test. What percentage did she get? **80%**

7. Imagine a number square. What number is three squares below 36? **66**

8. How many days are there in 3 years? **1095**

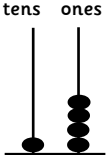9. Round 32.053 to 2 decimal places. **32.05**

10. What is the largest remainder you can have when you divide by 7? **6**

11. How many angles has a pentagon? **5**

Column 1 (red)

1. Which line is the shortest?
   a ——————
   b ——————————
   c ——————

2. 9 – 3 =

3.
   tens ones

4. Draw 8 circles. Draw a ring around $\frac{1}{2}$

5. 3 + 2 + 2 =

6. 10 – ☐ = 9

7. Ten less than 96 is ☐

8. 43 + 1 =

9. 3 more than 4 is ☐

10. Is this correct?
    6 > 9

11. 0 + 3 =

Column 2 (blue)

1. Which is the least?
   19, 53, 21, 65

2. 4 + 4 =

3. 2 + 2 + 2 + 2 =

4. If Sam has 15 sweets and he eats 3, how many are left?

4. $\frac{1}{2}$ of 10 =

5. Noah had 11 stickers. He used 4. How many were left?

6. 2 x 8 =

7. 15 ☐ 19
   greater than >
   less than <

8. 5 more than 12 is ☐

9. 3 people have ☐ legs

10. 78 – 2 =

11. 10 x 7 =

Column 3 (orange)

1. Divide 18 by 2.

2. Which of these is a right angle?
   a) b) c)

3. What number is halfway between 16 and 22?

4. Add 100 to 607.

5. Which two numbers add up to 30?
   11   19   14   23

6. The difference between 2 numbers is 8. The smaller number is 6. What is the larger number?

7. Write the even numbers.
   88 75 34 98 83

8. A programme was $\frac{1}{4}$ hour long. How many minutes was this?

9. What do I add to 14 to make 29?

10. 10 + 50 + 40 =

11. £2.00 + 85p =

12. 5 x 5 =

Column 4 (green)

1. Order these numbers, starting with the smallest.
   223 302 221 320 212

2. A box holds 6 eggs. Basil has 45 eggs. How many boxes will he need?

3. 64 + 19 =

4. What is the smallest number you can make from 7, 3, 8 and 1?

5. 112 + 89 =

6. Carla spent 67p on sweets. She paid with a £1 coin. How much change did she receive?

7. What is one quarter of 20?

8. Umar sold 39 books at the charity book sale. Fatima sold 57. How many more did Fatima sell than Umar?

9. Jo saved 15 buttons a week for seven weeks. How many buttons did she save?

10. 83 ÷ 1 =

11. How many days are there in nine weeks?

12. 20 x 100 =

13. $1 = \frac{8}{?}$

Column 5 (purple)

1. Put these numbers in order, smallest first.
   7.09 7.009 7.91 7.901

2. Write this number in words. 7809

3. David shares his sweets between 5 people. Each person has 6 sweets and there are 2 left over. How many did he start with?

4. What is 99 less than 894?

5. Name the type of triangle: Two sides are the same length and two angles are the same.

6. Which letter is symmetrical?
   N B J S L

7. $1 = \frac{567}{?}$

8. Write $\frac{1}{4}$ as a percentage.

9. Kirsty spent £2.45 at the cafe. Which 2 items did she buy?
   Tea £1.10
   Coffee £1.35
   Biscuits 95p

10. Write $\frac{22}{6}$ as a mixed number.

11. 100 – 23 =

Column 6 (pink)

1. 70 + 329 + 421 =

2. 25% of 12 minutes =

3. What is six squared added to three cubed?

4. How many seconds are there in 8.25 minutes?

5. 17 children on a school trip took an apple. 90% did not. How many children went on the school trip?

6. 120 ÷ 3 =

7. 80 x 60 =

8. How many days are there in 4 years?

9. What number comes before –34?

10. Round 45,687 to the nearest 1000.
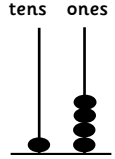
11. What is the 17th even number?

12. A theatre has 14 rows of 27 seats. How many seats does the theatre have altogether?

13. Which 3D shape am I? I have 4 vertices and all my faces are the same shape and size.

14. $9^3 - 9^2 =$

Column 1 (red):

1. Which line is the shortest?

a _____

b _____

c ____

2. 9 – 3 = 6

3. 14

tens   ones

4. Draw 8 circles
Draw a ring around $\frac{1}{2}$

5. 3 + 2 + 2 = 7

6. 10 – 1 = 9

7. Ten less than 96 is 86

8. 43 + 1 = 44

9. 3 more than 4 is 7

10. Is this correct?
6 > 9   no

11. 0 + 3 = 3

Column 2 (blue):

1. Which is the least?
19, 53, 21, 65

2. 4 + 4 = 8

3. 2 + 2 + 2 + 2 = 8

4. If Sam has 15 sweets and he eats 3, how many are left? 12

4. $\frac{1}{2}$ of 10 = 5

5. Noah had 11 stickers. He used 4. How many were left? 7

6. 2 x 8 = 16

7. 15 < 19

greater than >
less than <

8. 5 more than 12 is 17

9. 3 people have 6 legs

10. 78 – 2 = 76

11. 10 x 7 = 70

Column 3 (orange):

1. Divide 18 by 2. 9

2. Which of these is a right angle?
a)   b)   c)

3. What number is halfway between 16 and 22? 19

4. Add 100 to 607. 707

5. Which two numbers add up to 30?
11   19   14   23

6. The difference between 2 numbers is 8. The smaller number is 6. What is the larger number? 14

7. Write the even numbers.
88   75   34   98   83

8. A programme was $\frac{1}{4}$ hour long. How many minutes was this? 15 minutes

9. What do I add to 14 to make 29? 15

10. 10 + 50 + 40 = 100

11. £2.00 + 85p = £2.85

12. 5 x 5 = 25

Column 4 (green):

1. Order these numbers, starting with the smallest.
212   221   223   302   320

2. A box holds 6 eggs. Basil has 45 eggs. How many boxes will he need? 8

3. 64 + 19 = 83

4. What is the smallest number you can make from 7, 3, 8 and 1? 1378

5. 112 + 89 = 201

6. Carla spent 67p on sweets. She paid with a £1 coin. How much change did she receive? 33p

7. What is one quarter of 20? 5

8. Umar sold 39 books at the charity book sale. Fatima sold 57. How many more did Fatima sell than Umar? 18

9. Jo saved 15 buttons a week for seven weeks. How many buttons did she save? 105

10. 83 ÷ 1 = 83

11. How many days are there in nine weeks? 63

12. 20 x 100 = 2000

13. 1 = $\frac{8}{8}$

Column 5 (purple):

1. Put these numbers in order, smallest first.
7.009   7.09   7.901   7.91

2. Write this number in words. 7809 seven thousand, eight hundred and nine

3. David shares his sweets between 5 people. Each person has 6 sweets and there are 2 left over. How many did he start with? 32

4. What is 99 less than 894? 795

5. Name the type of triangle: Two sides are the same length and two angles are the same. isosceles

6. Which letter is symmetrical?
N   B   J   S   L

7. 1 = $\frac{567}{567}$

8. Write $\frac{1}{4}$ as a percentage. 25%

9. Kirsty spent £2.45 at the cafe. Which 2 items did she buy?
Tea £1.10
Coffee £1.35
Biscuits 95p

10. Write $\frac{22}{6}$ as a mixed number. $3\frac{4}{6}$ or $3\frac{2}{3}$

11. 100 – 23 = 77

Column 6 (pink):

1. 70 + 329 + 421 = 820

2. 25% of 12 minutes = 3 minutes

3. What is six squared added to three cubed? 63

4. How many seconds are there in 8.25 minutes? 495

5. 17 children on a school trip took an apple. 90% did not. How many children went on the school trip? 170

6. 120 ÷ 3 = 40

7. 80 x 60 = 4800

8. How many days are there in 4 years? 1460 or 1461 (1 leap year)

9. What number comes before –34? –35

10. Round 45,687 to the nearest 1000. 46,000

11. What is the 17th even number? 34

12. A theatre has 14 rows of 27 seats. How many seats does the theatre have altogether? 378

13. Which 3D shape am I? I have 4 vertices and all my faces are the same shape and size. tetrahedron

14. $9^3 - 9^2$ = 648

CLASSROOM Secrets

classroomsecrets.com ANSWERS
Mixed Mental Maths EMW – Pack 2 – Worksheet 5