Red column

1. Write the number that comes after 9.

2. How many circles?

3. 4 + 2 =

4. 2 + ☐ = 9

5. Draw a circle.

6. Which line is the longest?

a ─────────

b ───

c ──────

7. 1 + 9 =

8. 5 + ☐ 10

9. Is this correct?
9 < 5

10. Write the missing numbers.

5, 6, ☐ 8, ☐

Blue column

1. 6 + ☐ = 19

2. Write the missing numbers.
0, 5, ☐, ☐, 20

3. How much is shaded?
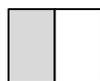
4. 15 − ☐ = 7

5. 5 chairs have ☐ legs.

6. 14 − 1 =

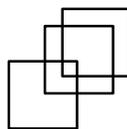7. $\frac{1}{2}$ of 12 =

8. 2 + 2 + 2 =

9. 10 less than 50 =

10. Ted had 5 chocolates and ate 2. How many were left?

13 + 2 =

12. 4 + ☐ = 20

Orange column

1. How many squares can you count?

2. 5 + 5 + ☐ 15

3. 675 = 600 + ☐ + 5

4. (5 x 8) + 2 =

5. What is the next number?
12, 16, 20, 24, ☐

6. 4 x ☐ = 28

7. Write < or >
43 ☐ 49

8. What is the biggest number you can make from these digits?
9, 3, 8

9. I think of a number, I add 7 to that number. My answer is 21. What number did I think of?

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

11. 21 ÷ 3 =

Green column

1. How many faces does a sphere have?

2. 43 x 10 = ☐

3. Which is the odd number?
706   359   582   858

4. 11 + 14 + 27 =

5. $\frac{1}{2}$ of 74 =

6. What is the value of 9 in 2978?

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 using 9, 2, 5 and 8?

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

11. I think of a number, I subtract 17 from that number. My answer is 45. What number did I think of?

12. Write $\frac{3}{4}$ as a decimal.

13. Work out the perimeter.   9cm
4cm

Purple column

1. Write 7 minutes to 10 in the morning in the 24 hour clock.

2. What is the difference between 43 and 89?

3. Find the mean of 17, 12 and 16.

4. What is the product of 7 and 9?

5. Multiply 17 by 100.

6. What is 8^2?

7. What is the total of 7.4 and 6.5?
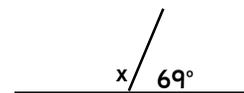
8. Write $\frac{89}{100}$ as a decimal.

9. I think of a number, I multiply it by 9 and then subtract 17. My answer is 46. What number did I think of?

10. What number is halfway between 11 and 12?

11. Round 5.4 to the nearest whole number.

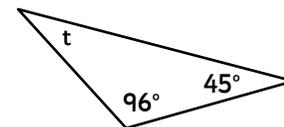12. How many faces are there on a tetrahedron?

13. What size is angle x?

x⁄ 69°

Pink column

1. 11^2 =

2. Put these in order, starting with the smallest.
78% $\frac{34}{100}$ 0.9

3. What is the size of angle t?

t

96°   45°

4. 10% of 85 =

5. The temperature is −4°C. It rises 9°C. What is the new temperature?

6. $5^2 + 8^2$ =

7. 6.12 x 1000 =

8. 4 x ☐ 3 = 72

9. (3 x 7) + (4 x 8) =

10. What are the next two numbers?
14, 10, 6, 2, ☐, ☐

11. Put these numbers in order, largest first.
7.1, 7.46, 7.423,

12. Write $\frac{4}{5}$ as a decimal.

13. 0.4 x 12 =

14. 21 + 0.62 + 7.9 =

15. 8.4 − 3.8 =

Column 1 (red):

1. Write the number that comes after 9. 10

2. How many circles? 8

3. 4 + 2 = 6

4. 2 + 7 = 9

5. Draw a circle.

6. Which line is the longest?

a ━━━━━━━

b ━━━━

c ━━━━━

7. 1 + 9 = 10

8. 5 + 5 = 10

9. Is this correct? 9 < 5 no

10. Write the missing numbers.

5, 6, 7, 8, 9

Column 2 (blue):

1. 6 + 13 = 19

2. Write the missing numbers.

0, 5, 10, 15, 20

3. How much is shaded?

 $\frac{1}{2}$

4. 15 – 8 = 7

5. 5 chairs have 20 legs.

6. 14 – 1 = 13

7. $\frac{1}{2}$ of 12 = 6
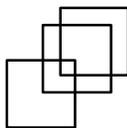
8. 2 + 2 + 2 = 6

9. 10 less than 50 = 40

10. Ted had 5 chocolates and ate 2. How many were left? 3

13 + 2 = 15

12. 4 + 16 = 20

Column 3 (orange):

1. How many squares can you count? 6

2. 5 + 5 + 5 = 15

3. 675 = 600 + 70 + 5

4. (5 x 8) + 2 = 42

5. What is the next number?
12, 16, 20, 24, 28

6. 4 x 7 = 28

7. Write < or >

43 < 49

8. What is the biggest number you can make from these digits?
9, 3, 8   983

9. I think of a number, I add 7 to that number. My answer is 21. What number did I think of? 14

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

11. 21 ÷ 3 = 7

Column 4 (green):

1. How many faces does a sphere have? 1

2. 43 x 10 = 430

3. Which is the odd number?
706   359   582   858

4. 11 + 14 + 27 = 52

5. $\frac{1}{2}$ of 74 = 37

6. What is the value of 9 in 2978? 900

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 using 9, 2, 5 and 8? 9852

10. How many minutes are there in an hour and a quarter? 75

11. I think of a number, I subtract 17 from that number. My answer is 45. What number did I think of? 62

12. Write $\frac{3}{4}$ as a decimal. 0.75

13. Work out the perimeter. 26cm

9cm
4cm

Column 5 (purple):

1. Write 7 minutes to 10 in the morning in the 24 hour clock. 09:53

2. What is the difference between 43 and 89? 46

3. Find the mean of 17, 12 and 16. 15

4. What is the product of 7 and 9? 63

5. Multiply 17 by 100. 1700

6. What is 8^2? 64

7. What is the total of 7.4 and 6.5? 13.9
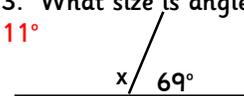
8. Write $\frac{89}{100}$ as a decimal. 0.89

9. I think of a number, I multiply it by 9 and then subtract 17. My answer is 46. What number did I think of? 7

10. What number is halfway between 11 and 12? 11.5

11. Round 5.4 to the nearest whole number. 5

12. How many faces are there on a tetrahedron? 4

13. What size is angle x? 111°

x 69°
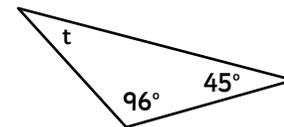
Column 6 (pink):

1. 11^2 = 132

2. Put these in order, starting with the smallest.

$\frac{34}{100}$ 78%   0.9

3. What is the size of angle t? 39°

t
96°   45°

4. 10% of 85 = 8.5

5. The temperature is –4°C. It rises 9°C. What is the new temperature? 5°C

6. $5^2 + 8^2$ = 89

7. 6.12 x 1000 = 6120

8. 4 x 6 x 3 = 72

9. (3 x 7) + (4 x 8) = 53

10. What are the next two numbers?
14, 10, 6, 2, –2, –6

11. Put these numbers in order, largest first.
7.46, 7.423, 7.1

12. Write $\frac{4}{5}$ as a decimal. 0.8

13. 0.4 x 12 = 4.8

14. 21 + 0.62 + 7.9 = 29.52

15. 8.4 – 3.8 = 4.6

classroomsecrets.com ANSWERS
Mixed Mental Maths EMW – Pack 3 – Worksheet 1

Column 1 (red)

1. 1 more than 9 is ☐

2. 6 − 3 =

3. 1 less than 7 is ☐

4. Write the missing numbers.
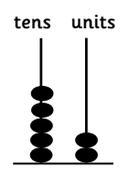2, 3, ☐ , 5, ☐

5. 7 + ☐ = 10

6. Count on in 5's
15, 20, 25, ☐ , ☐

7. 3 + 2 + 3 =

8. 10 more than 39 is ☐

9. Which is an oval?

a) b) c) d)

10. (tens, units abacus) ☐

Column 2 (blue)
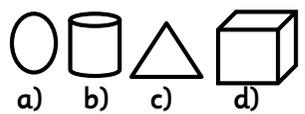
1. 8 − ☐ = 5

2. James has 15 buttons. He gives 4 to Brad. How many buttons does he have now?
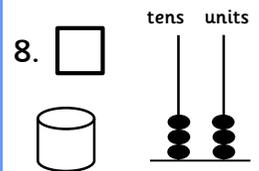
3. 4 cats have ☐ legs

4. There are ☐ triangles.

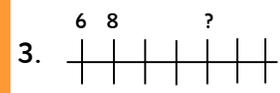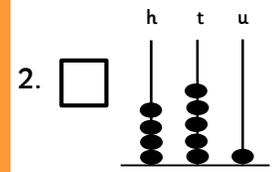5. Choose 2 numbers that add up to 2.
2 0 3 4

6. 0 + 7 =

7. 21 − 1 =

8. (tens, units abacus) ☐

9. A cylinder has ☐ edges

10. 67 + ☐ = 87

11. 18 + 17 =

Column 3 (orange)

1. What is the next number? 30, 40, 50,

2. (h t u abacus) ☐

3. (number line) 6 8 ?

4. What is the sum of 4, 9 and 3?

5. Take 1 from 400.

6. Draw the next shape.
△☐▱△☐▱△☐

7. Which is the greatest number?
76, 79, 73, 37, 75

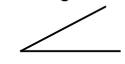8. Which number does not belong?
4, 8, 10, 12

9. Does 3 x 6 have the same value as 6 x 3?

10. How many tens are in 90?

11. 6 + 6 + 6 = 6 x ☐

12. How many weeks are there in a fortnight?
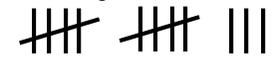
Column 4 (green)

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

2. Subtract 13 from six eights.

3. 64 ÷ 8 =

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

5. What are the factors of 18?

6. What is half of £7?

7. Round 92 to the nearest 10.

8. Continue this sequence
$5\frac{1}{2}$, $6\frac{1}{2}$, $7\frac{1}{2}$, ☐ , ☐

9. Write the operation to make this calculation correct.
72 ☐ 9 = 8

10. What is 100 less than 8011?

11. Which unit should you use to measure a felt tip pen?

12. What needs to be added to 594 to make 900?

13. Write 0.75 as a fraction?

Column 5 (purple)

1. What number is halfway between 5800 and 7200?

2. Rewrite $\frac{9}{12}$ in its lowest terms.

3. What fraction of a minute is 1 second?

4. 10% of 40 =

5. 0.6 + 0.008 + 6.03 =

6. Put these numbers in order, largest first.
5.0017, 4.789, 5.009, 5.07

7. Complete the sequence.
5.4, 5.8, 6.2, ☐ , ☐

8. Which is the odd one out?
654 541 877 859 673

9. What is the value of n?
16 + n = 102

10. Double 78

11. Estimate 516 + 284

12. What is the fourth month of the year?

13. (9 x 7) + (4 x 4) =

14. The school raised £1046 in 2012 and £1217 in 2013. How much did they raise in total?

Column 6 (pink)

1. What is the average of 4.6 and 9.8?

2. 8² = 56 + ☐

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

4. 25% of 500

5. What is $\frac{1}{2}$ of $\frac{1}{3}$?

6. 8³ =

7. What number is halfway between −5 and 10?

8. Write this number in words 45,019

9. 572 ÷ 2 =

10. Complete the sequence.
2.15, 2.35, 2.55, ☐ , ☐

11. Put these numbers in order, largest first.
1.59, 15.16, 15.8

12. Maud starts school at 8:55 and finishes school at ten minutes to three. How long is the school day?

13. How many months are there in ten years?

14. Insert <, > or =
0.074 ☐ 0.08

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Mixed Mental Maths EMW – Pack 3 – Worksheet 2

Column 1 (Red)

1. 1 more than 9 is 10

2. 6 − 3 = 3

3. 1 less than 7 is 6
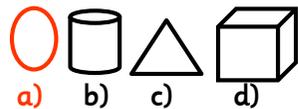
4. Write the missing numbers.
2, 3, 4, 5, 6

5. 7 + 3 = 10
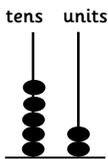
6. Count on in 5's
15, 20, 25, 30, 35

7. 3 + 2 + 3 = 8

8. 10 more than 39 is 49

9. Which is an oval?

a)   b)   c)   d)

10. 52

Column 2 (Blue)

1. 8 − 3 = 5

2. James has 15 buttons. He gives 4 to Brad. How many buttons does he have now? 11
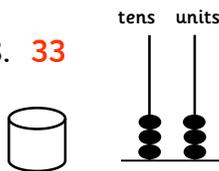
3. 4 cats have 16 legs

4. There are 7 triangles.

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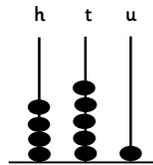2 0 3 4

6. 0 + 7 = 7

7. 21 − 1 = 20

8. 33

9. A cylinder has 2 edges.

10. 67 + 20 = 87

11. 18 + 17 = 35

Column 3 (Orange)

1. What is the next number? 30, 40, 50, 60

2. 451

3.

4. What is the sum of 4, 9 and 3? 16

5. Take 1 from 400. 399

6. Draw the next shape.

7. Which is the greatest number?
76, 79, 73, 37, 75
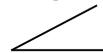
8. Which number does not belong?
4, 8, 10, 12 10

9. Does 3 x 6 have the same value as 6 x 3? yes

10. How many tens are in 90? 9

11. 6 + 6 + 6 = 6 x 3

12. How many weeks are there in a fortnight? 2

Column 4 (Green)

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

2. Subtract 13 from six eights. 35

3. 64 ÷ 8 = 8

4. What number does this tally show? 13

5. What are the factors of 18? 1, 18, 2, 9, 6, 3

6. What is half of £7? £3.50

7. Round 92 to the nearest 10. 90

8. Continue this sequence
$5\frac{1}{2}$, $6\frac{1}{2}$, $7\frac{1}{2}$, $8\frac{1}{2}$, $9\frac{1}{2}$

9. Write the operation to make this calculation correct.
72 ÷ 9 = 8

10. What is 100 less than 8011? 7911

11. Which unit should you use to measure a felt tip pen? centimetres

12. What needs to be added to 594 to make 900? 306

13. Write 0.75 as a fraction? $\frac{3}{4}$

Column 5 (Purple)

1. What number is halfway between 5800 and 7200? 6500

2. Rewrite $\frac{9}{12}$ in its lowest terms. $\frac{3}{4}$

3. What fraction of a minute is 1 second? $\frac{1}{60}$

4. 10% of 40 = 4

5. 0.6 + 0.008 + 6.03 = 6.638

6. Put these numbers in order, largest first.
5.07, 5.009, 5.0017, 4.789

7. Complete the sequence.
5.4, 5.8, 6.2, 6.6, 7

8. Which is the odd one out?
654 541 877 859 673

9. What is the value of n?
16 + n = 102 n = 86

10. Double 78 156

11. Estimate 516 + 284 800

12. What is the fourth month of the year? April

13. (9 x 7) + (4 x 4) = 79

14. The school raised £1046 in 2012 and £1217 in 2013. How much did they raise in total? £2263

Column 6 (Pink)

1. What is the average of 4.6 and 9.8? 7.2

2. $8^2 = 56 + 8$

3. x = 5, y = 3
5y + 3x = 30

4. 25% of 500 125

5. What is $\frac{1}{2}$ of $\frac{1}{3}$? $\frac{1}{6}$

6. $8^3 = 512$

7. What number is halfway between −5 and 10? 2.5

8. Write this number in words 45,019 forty-five thousand and nineteen

9. 572 ÷ 2 = 286

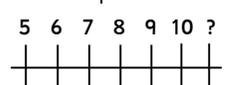10. Complete the sequence.
2.15, 2.35, 2.55, 2.75, 2.95

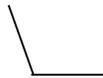11. Put these numbers in order, largest first.
15.8, 15.16, 1.59,

12. Maud starts school at 8:55 and finishes school at ten minutes to three. How long is the school day? 5 hours and 55 minutes

13. How many months are there in ten years? 120

14. Insert <, > or =
0.074 < 0.08

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Mixed Mental Maths EMW – Pack 3 – Worksheet 2

Column 1 (red)

1. 2 more than 4 is ☐

2. `3 : 00` is 3 o'clock
   4 o'clock is ☐

3. 0 + ☐ = 4

4. Who has more?
   Ted | May
   ★★★ | ★★★★
   ★★ | ★★

5. 5 6 7 8 9 10 ?

6. 9 − ☐ = 3

7. 3 + ☐ = 13

8. 5 + 4 + 3 =

9. Count on in 2s
   12, 14, 16, ☐, ☐

10. Ten more than 18 is ☐

11. 22 + 4 =

12. Take 100 from 400.

Column 2 (blue)

1. 17 take away 3

2. 8 tens =

3. 10 more than 20 is ☐

4. A rectangle has ☐ sides.

5. 18 − 9 = ☐ tens and ☐ ones.

6. ☐ − 9 = 11

7. 10 + 10 ☐ = 30

8. Which is the greatest?
   89, 13, 47, 34

9. 80 = 10 + 30 + ☐

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

11. 13 ☐ 7
    greater than >
    less than <

12. 6 + 6 =

Column 3 (orange)

1. Is this a right angle?

2. What is the total?
   6ml + 19ml + 8ml + 3ml

3. Jamie bought 2 chocolate bars. They were 35p each. How much did they cost altogether?

4. What will the date be 1 week after the 17th of May?

5. 70 ÷ 10 =

6. What is half of 400?

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

8. Write a number between 20 and 40 that is nearer to 20.

9. 30 ÷ 5 =

10. What is 30 more than 40?

11. What shape is this?

12. What is the next even number after 26?
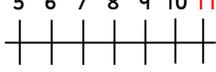
Column 4 (green)

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

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

3. 96 ÷ 8 =

4. 4 x 9 =

5. What is the product of 7 and 3?

6. 880 ÷ 10 =

7. Daisy was born in 1992. How old was she in 2004?

8. Round this fraction to the nearest whole number.
   $14\frac{2}{10}$

9. How many grams are there in a quarter of a kilogram?

10. $\frac{4}{10} - \frac{2}{10} =$

11. 18 + 17 = ☐ ÷ 2

12. Which two numbers make 250?
    135   115   112   148

13. How many tenths are in 3.4?

14. 70 − 3.0 =

15. 8 x 12 =

Column 5 (purple)

1. Is this an isosceles, equilateral or scalene triangle?
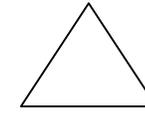
2. Reduce seventy-five thousand by eight thousand.

3. What fraction of a week is 1 day?

4. Jenny leaves the supermarket at 18:15. She was there for 55 minutes. What time did she arrive?

5. 518cm = ☐ m

6. Jamie bought a large chocolate bar for £2.91. 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 39?

8. $\frac{3}{4}$ kg = ☐

9. What is the total of the even numbers?
   92 67 89 54 53

10. 350 + ☐ = 1000

11. (532 − 254) − 9 =

12. 6 x 9 = ☐ + 42

Column 6 (pink)

1. Claire bought four notebooks at £3.02 each. How much did she spend? Calculate her change from £20.

2. Perdita cut four 13.3cm lengths from a roll of 90cm ribbon. How much was left?

3. Round $7\frac{3}{8}$ to the nearest whole number.

4. $\frac{3}{5}$ of 500 =

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

6. Parrie is facing North. She turns clockwise 45°. What direction is she facing now?

7. What is the sum of the even numbers between 12 and 24?

8. 0.25 of 36 =

9. I think of a number. I multiply it by 9, divide it by 10 and then add 7.8. My answer is 17.7. What number did I think of?

10. Which number is 692 less than 8142?

11. 114 ÷ 12 = half of ☐

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Mixed Mental Maths EMW – Pack 3 – Worksheet 3

Column 1 (red)

1. 2 more than 4 is **6**

2. 3 : 00 is 3 o'clock 4 o'clock is **4 : 00**

3. 0 + **4** = 4

4. Who has more? **Ted** | **May**

5. 5 6 7 8 9 10 **11**

6. 9 − **6** = 3

7. 3 + **10** = 13

8. 5 + 4 + 3 = **12**

9. Count on in 2s 12, 14, 16, **18**, **20**

10. Ten more than 18 is **28**

11. 22 + 4 = **26**

12. Take 100 from 400. **300**

Column 2 (blue)

1. 17 take away 3 **14**

2. 8 tens = **80**

3. 10 more than 20 is **30**

4. A rectangle has **4** sides.

5. 18 − 9 = **0** tens and **9** ones.

6. **20** − 9 = 11

7. 10 + 10 + **10** = 30

8. Which is the greatest? **89**, 13, 47, 34

9. 80 = 10 + 30 + **40**

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

11. 13 **>** 7 greater than **>** less than **<**

12. 6 + 6 = **12**

Column 3 (orange)

1. Is this a right angle? **no**
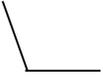
2. What is the total? 6ml + 19ml + 8ml + 3ml **36ml**

3. Jamie bought 2 chocolate bars. They were 35p each. How much did they cost altogether? **70p**

4. What will the date be 1 week after the 17th of May? **24th May**

5. 70 ÷ 10 = **7**

6. What is half of 400? **200**

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

8. Write a number between 20 and 40 that is nearer to 20. **21, 22, 23, 24, 25, 26, 27, 28 or 29**

9. 30 ÷ 5 = **6**

10. What is 30 more than 40? **70**

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

12. What is the next even number after 26? **28**

Column 4 (green)

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

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

3. 96 ÷ 8 = **12**

4. 4 x 9 = **36**

5. What is the product of 7 and 3? **21**

6. 880 ÷ 10 = **88**

7. Daisy was born in 1992. How old was she in 2004? **12**

8. Round this fraction to the nearest whole number. $14\frac{2}{10}$ **14**

9. How many grams are there in a quarter of a kilogram? **250g**

10. $\frac{4}{10}$ − $\frac{2}{10}$ = $\frac{2}{10}$

11. 18 + 17 = **70** ÷ 2

12. Which two numbers make 250? **135** **115** 112 148

13. How many tenths are in 3.4? **4**

14. 70 − 3.0 = **67**

15. 8 x 12 = **96**

Column 5 (purple)

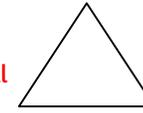1. Is this an isosceles, equilateral or scalene triangle? **equilateral**

2. Reduce seventy-five thousand by eight thousand. **67,000**

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

4. Jenny leaves the supermarket at 18:15. She was there for 55 minutes. What time did she arrive? **17:20**

5. 518cm = **5.18m**

6. Jamie bought a large chocolate bar for £2.91. He paid with a £5 note. How much change did he receive? **£2.09**

7. Imagine a 100 number square. What number is 2 squares to the left of 39? **37**

8. $\frac{3}{4}$ kg = **750g**

9. What is the total of the even numbers? **92 + 54 = 146**

10. 350 + **650** = 1000

11. (532 − 254) − 9 = **269**

12. 6 x 9 = **12** + 42
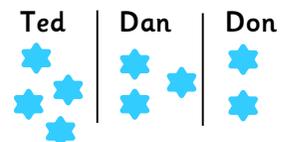
Column 6 (pink)

1. Claire bought four notebooks at £3.02 each. How much did she spend? Calculate her change from £20. **£12.08, £7.92**

2. Perdita cut four 13.3cm lengths from a roll of 90cm ribbon. How much was left? **36.8cm**

3. Round $7\frac{3}{8}$ to the nearest whole number. **7**

4. $\frac{3}{5}$ of 500 = **300**

5. Write the next three numbers in the sequence. $2\frac{1}{6}$, $2\frac{1}{2}$, $2\frac{5}{6}$, **$3\frac{1}{6}$**, **$3\frac{1}{2}$**, **$3\frac{5}{6}$**

6. Parrie is facing North. She turns clockwise 45°. What direction is she facing now? **North-East**

7. What is the sum of the even numbers between 12 and 24? **90**

8. 0.25 of 36 = **9**

9. I think of a number. I multiply it by 9, divide it by 10 and then add 7.8. My answer is 17.7. What number did I think of? **11**

10. Which number is 692 less than 8142? **7450**

11. 114 ÷ 12 = half of **19**

classroomsecrets.com **ANSWERS**
Mixed Mental Maths EMW – Pack 3 – Worksheet 3

Column 1 (red):

1. 3 less than 9 is ☐

2. How many triangles?

3. Who has 1 less than Dan?

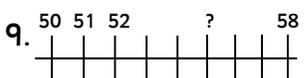| Ted	Dan	Don

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

5. 15 + 2 =

6. 10 – 2 =

7. Count in 2s
12, 14, 16, ☐ , ☐

8. 3 people have ☐ legs.

9.
50 51 52   ?   58

10. 4 + 4 + 4 =

11. 8 – 4 =

Column 2 (blue):

1. 17– 9 =

2. Count on in 10s.
60, 70, 80, ☐ , ☐

3. If Jamie has 12 sweets and he eats 4. How many are left?

4. Draw the next shape.
☐ O ☐ O ☐

5. 20 – 10 =

6. 13 minutes past 9 o'clock is ☐ : ☐

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

8. 7 + ☐ = 20

9. 60 = 20 + 10 + ☐

10. Hassan had 16 pebbles. He lost $\frac{1}{2}$ of them. How many did he have left?

11. ☐ – 3 = 17

Column 3 (orange):

1. Describe the faces of a sphere.

2. In class 3J there are 12 girls and 15 boys. How many children are in 3J?

3. How many days are there in July?

4. How many legs do 4 camels have?

5. What is double 50?

6. 300 + 20 + 3 =

7. 714 – 100 =

8. What is the smallest number you can make from these digits?
5, 1, 3

9. Ten pencils fit in a pencil case. How many pencil cases will 40 pencils fill?

10. 60 + 60 + 60 =

11. 8 x 3 =

12. There are ☐ 20p's in £1.00

13. 20 – 5 – 8 =

Column 4 (green):

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

2. Which is less 62 tens or 3 hundreds?

Order these numbers, starting with the largest
405 476 458 401 467

4. How many days are there altogether in November and December?

5. Is 20 x 5 < 25 x 3?

6. If I eat $\frac{4}{10}$ of a cake, what fraction is left over?

7. Add the odd numbers.
89 45 68 92 43 96

8. Subtract thirty-two from nine sixteens.

9. 7 – $\frac{7}{8}$ =

10. How many nines are in sixty-three?

11. Find the average of 18 and 16

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

13. What is 10 more than 7.8?

14. 74 + 69 =

15. Double 146

Column 5 (purple):

1. The product of two numbers is 72. One number is 9. What is the other?

2. Is a pentagon a quadrilateral?

3. How many sides has a heptagon?

4. Is 75 a multiple of 6?

5. Take 3 tenths from 3.32

6. Damien has a 1l bottle of water. He pours out 615ml. How much is left in the bottle?

7. A pair of jeans cost £28. They are reduced by 10% in the sale. What is the sale price?

8. What number is three quarters of 68?

9. Make 700 using four of these numbers.
44 217 392 68 47

10. Find the difference between 2800 and 680.

11. Which 5 coins would make £1.67?

12. Marissa has £4.92. She wants to buy a board game at £12.99. How much more money does she need?

Column 6 (pink):

1. A jacket costs £62.40. In the winter sale, every item has 20% off. How much did the jacket cost in the sale?

2. 7495 ÷ 6 =

3. What is half of one million?

4. Which 2D shape has 7 angles that add up to 360°?

5. Summer was carrying a 5l watering can. She used 1365ml to water the tomatoes. Write the amount left in the can in litres.

6. Courtney got 12 out of 20 in her spelling test. What percentage did she get?

7. Imagine a number square. What number is three squares below 54?

8. How many days are there in 3 normal years and 1 leap year?
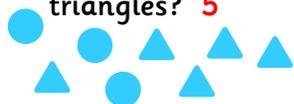
9. Round 78.945 to 2 decimal places.

10. What is the largest remainder you can have when you divide by 9?
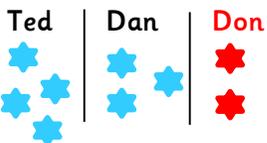
11. How many angles has an octagon?

classroomsecrets.com
Mixed Mental Maths EMW – Pack 3 – Worksheet 4

Column 1 (red):

1. 3 less than 9 is 6
2. How many triangles? 5

3. Who has 1 less than Dan?

Ted	Dan	Don

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

5. 15 + 2 = 17
6. 10 – 2 = 8
7. Count in 2s
   12, 14, 16, 18, 20
8. 3 people have 6 legs.

9.

50 51 52   55   58

10. 4 + 4 + 4 = 12
11. 8 – 4 = 4

Column 2 (blue):
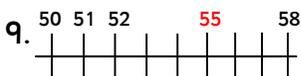
1. 17– 9 = 8
2. Count on in 10s.
   60, 70, 80, 90, 100
3. If Jamie has 12 sweets and he eats 4. How many are left? 8
4. Draw the next shape.

5. 20 – 10 = 10
6. 13 minutes past 9 o'clock is 9 : 13
7. Choose 3 numbers that add up to 4.
   1   0   2   2   4
8. 7 + 13 = 20
9. 60 = 20 + 10 + 30
10. Hassan had 16 pebbles. He lost $\frac{1}{2}$ of them. How many did he have left? 8
11. 20 – 3 = 17

Column 3 (orange):

1. Describe the faces of a sphere. 1 curved face
2. In class 3J there are 12 girls and 15 boys. How many children are in 3J? 27
3. How many days are there in July? 31
4. How many legs do 4 camels have? 16
5. What is double 50? 100
6. 300 + 20 + 3 = 323
7. 714 – 100 = 614
8. What is the smallest number you can make from these digits?
   5, 1, 3   135
9. Ten pencils fit in a pencil case. How many pencil cases will 40 pencils fill? 4
10. 60 + 60 + 60 = 180
11. 8 x 3 = 24
12. There are 5 20p's in £1.00
13. 20 – 5 – 8 = 7

Column 4 (green):

1. Write $\frac{7}{10}$ as a decimal. 0.7
2. Which is less 62 tens or 3 hundreds? 3 hundreds

Order these numbers, starting with the largest
476   467   458   405   401

4. How many days are there altogether in November and December? 61
5. Is 20 x 5 < 25 x 3? no
6. If I eat $\frac{4}{10}$ of a cake, $\frac{6}{10}$ or what fraction is left over? $\frac{3}{5}$
7. Add the odd numbers.
   89 45 68 92 43 96
   89 + 45 + 43 = 177
8. Subtract thirty-two from nine sixteens. 112
9. 7 – $\frac{7}{8}$ = 6 $\frac{1}{8}$
10. How many nines are in sixty-three? 7
11. Find the average of 18 and 16   17
12. How many quarter turns are there in a full circle? 4
13. What is 10 more than 7.8? 17.8
14. 74 + 69 = 143
15. Double 146 292

Column 5 (purple):

1. The product of two numbers is 72. One number is 9. What is the other? 8
2. Is a pentagon a quadrilateral? no
3. How many sides has a heptagon? 7
4. Is 75 a multiple of 6? no
5. Take 3 tenths from 3.32 3.02
6. Damien has a 1l bottle of water. He pours out 615ml. How much is left in the bottle? 385ml
7. A pair of jeans cost £28. They are reduced by 10% in the sale. What is the sale price? £25.20
8. What number is three quarters of 68? 51
9. Make 700 using four of these numbers.
   44 217 392 68 47
10. Find the difference between 2800 and 680. 2120
11. Which 5 coins would make £1.67? £1 50p 10p 5p 2p
12. Marissa has £4.92. She wants to buy a board game at £12.99. How much more money does she need? £8.07

Column 6 (pink):

1. A jacket costs £62.40. In the winter sale, every item has 20% off. How much did the jacket cost in the sale? £49.92
2. 7495 ÷ 6 = 1249 r 1
3. What is half of one million? 500,000
4. Which 2D shape has 7 angles that add up to 360°? regular heptagon
5. Summer was carrying a 5l watering can. She used 1365ml to water the tomatoes. Write the amount left in the can in litres. 3.635l
6. Courtney got 12 out of 20 in her spelling test. What percentage did she get? 60%
7. Imagine a number square. What number is three squares below 54? 84
8. How many days are there in 3 normal years and 1 leap year? 1461
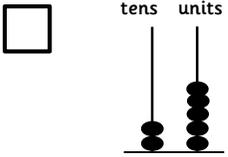9. Round 78.945 to 2 decimal places. 78.95
10. What is the largest remainder you can have when you divide by 9? 8
11. How many angles has an octagon? 8

classroomsecrets.com ANSWERS
Mixed Mental Maths EMW – Pack 3 – Worksheet 4

Column 1 (red):

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

2. $9 - 5 =$

3.

tens   units

4. Draw 6 circles. Draw a ring around $\frac{1}{2}$

5. $3 + 3 + 2 =$

6. $10 - \square = 7$

7. Ten less than 57 is $\square$

8. $67 + 1 =$

9. 4 more than 4 is $\square$

10. Is this correct?
    $2 > 3$

11. $0 + 9 =$

Column 2 (blue):

1. Which is the least?
   43, 23, 87, 26, 45

2. $8 + 8 =$

3. $3 + 3 + 3 + 3 =$

4. If Sam has 12 sweets and he eats 3. How many are left?

4. $\frac{1}{2}$ of 14 =

5. Noah had 13 stickers. He used 4. How many were left?

6. $2 \times 7 =$

7. 12 $\square$ 18
   greater than >
   less than <
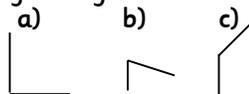
8. 5 more than 16 is $\square$

9. 4 people have $\square$ legs

10. $56 - 2 =$

11. $10 \times 9 =$

Column 3 (orange):

1. Divide 24 by 2.

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

3. What number is halfway between 14 and 24?

4. Add 100 to 402.

5. Which two numbers add up to 30?
   17   12   18   25

6. The difference between 2 numbers is 8. The smaller number is 9. What is the larger number?

7. Write the even numbers.
   42 53 84 944 47

8. A programme was $\frac{1}{2}$ hour long. How many minutes was this?

9. What do I add to 12 to make 29?

10. $20 + 30 + 40 =$

11. £1.00 + 43p =

12. $7 \times 5 =$

Column 4 (green):

1. Order these numbers, starting with the smallest.
   132 121 122 112 123

2. A box holds 6 eggs. Basil has 49 eggs. How many boxes will he need?

3. $48 + 29 =$

4. What is the smallest number you can make from 9, 2, 4 and 3?

5. $106 + 56 =$

6. Carla spent 43p on sweets. She paid with a £1 coin. How much change did she receive?

7. What is one quarter of 40?

8. Umar sold 45 books at the charity book sale. Fatima sold 67. How many more did Fatima sell than Umar?

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

10. $89 \div 1 =$

11. How many days are there in six weeks?

12. $50 \times 100 =$

13. $1 = \frac{9}{?}$

Column 5 (purple):

1. Put these numbers in order, smallest first.
   5.04 5.004 5.41 5.401

2. Write this number in words. 7809

3. David shares his sweets between 7 people. Each person has 6 sweets and there are 2 left over. How many did he start with?

4. What is 99 less than 654?

5. Name the type of triangle: All the sides have different lengths. All the angles are different.

6. Which letter is symmetrical?
   K G S Z L

7. $1 = \frac{626}{?}$

8. Write $\frac{3}{4}$ as a percentage.

9. Kirsty spent £1.70 at the cafe. Which 2 items did she buy?
   Tea 95p
   Coffee £1.05
   Biscuits 75p

10. Write $\frac{22}{7}$ as a mixed number.

11. $100 - 19 =$

Column 6 (pink):

1. $42 + 643 + 295 =$

2. 25% of 16 minutes =

3. What is seven squared added to five cubed?

4. How many seconds are there in 6.75 minutes?

5. 4 children on a school trip took an apple. 90% did not. How many children went on the school trip?

6. $160 \div 4 =$

7. $70 \times 60 =$

8. How many days are there in 5 years?

9. What number comes before – 17?

10. Round 78,487 to the nearest 1000.

11. What is the 18th even number?

12. A theatre has 14 rows of 23 seats. How many seats does the theatre have altogether?
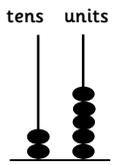
13. Which shape am I? I have 2 edges, 2 flat faces and 1 curved face.

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

classroomsecrets.com **ANSWERS**
Mixed Mental Maths EMW – Pack 3 – Worksheet 5

Column 1

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

2. 9 – 5 = 4

3. 25 (tens units abacus)

4. Draw 6 circles. Draw a ring around $\frac{1}{2}$

5. 3 + 3 + 2 = 8

6. 10 – 3 = 7

7. Ten less than 57 is 47

8. 67 + 1 = 68

9. 4 more than 4 is 8

10. Is this correct? 2 > 3 no

11. 0 + 9 = 9

Column 2

1. Which is the least? 43, 23, 87, 26, 45

2. 8 + 8 = 16

3. 3 + 3 + 3 + 3 = 12

4. $\frac{1}{2}$ of 14 = 7

5. Noah had 13 stickers. He used 4. How many were left? 9

6. 2 x 7 = 14

7. 12 < 18
greater than > less than <

8. 5 more than 16 is 21

9. 4 people have 8 legs

10. 56 – 2 = 54

11. 10 x 9 = 90

Column 3

1. Divide 24 by 2. 12

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

3. What number is halfway between 14 and 24? 19

4. Add 100 to 402. 502

5. Which two numbers add up to 30? 17 12 18 25

6. The difference between 2 numbers is 8. The smaller number is 9. What is the larger number? 17

7. Write the even numbers. 42 53 84 944 47

8. A programme was $\frac{1}{2}$ hour long. How many minutes was this? 30 minutes

9. What do I add to 12 to make 29? 17

10. 20 + 30 + 40 = 90

11. £1.00 + 43p = £1.43

12. 7 x 5 = 35

Column 4

1. Order these numbers, starting with the smallest. 112 121 122 123 132

2. A box holds 6 eggs. Basil has 49 eggs. How many boxes will he need? 9

3. 48 + 29 = 77

4. What is the smallest number you can make from 9, 2, 4 and 3? 2349

5. 106 + 56 = 162

6. Carla spent 43p on sweets. She paid with a £1 coin. How much change did she receive? 57p

7. What is one quarter of 40? 10

8. Umar sold 45 books at the charity book sale. Fatima sold 67. How many more did Fatima sell than Umar? 22

9. Jo saved 15 buttons a week for five weeks. How many buttons did she save? 75

10. 89 ÷ 1 = 89

11. How many days are there in six weeks? 42

12. 50 x 100 = 5000

13. $1 = \frac{9}{9}$

Column 5

1. Put these numbers in order, smallest first. 5.004 5.04 5.401 5.41

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

3. David shares his sweets between 7 people. Each person has 6 sweets and there are 2 left over. How many did he start with? 44

4. What is 99 less than 654? 555

5. Name the type of triangle: All the sides have different lengths. All the angles are different. scalene

6. Which letter is symmetrical? K G S Z L

7. $1 = \frac{626}{626}$

8. Write $\frac{3}{4}$ as a percentage. 75%

9. Kirsty spent £1.70 at the cafe. Which 2 items did she buy?
Tea 95p
Coffee £1.05
Biscuits 75p

10. Write $\frac{22}{7}$ as a mixed number. $3\frac{1}{7}$

11. 100 – 19 = 81

Column 6

1. 42 + 643 + 295 = 980

2. 25% of 16 minutes = 4 minutes

3. What is seven squared added to five cubed? 174

4. How many seconds are there in 6.75 minutes? 405

5. 4 children on a school trip took an apple. 90% did not. How many children went on the school trip? 40

6. 160 ÷ 4 = 40

7. 70 x 60 = 4200

8. How many days are there in 5 years? 1827 or 1826 (1 or 2 leap years)

9. What number comes before – 17? – 18

10. Round 78,487 to the nearest 1000. 78,000

11. What is the 18th even number? 36

12. A theatre has 14 rows of 23 seats. How many seats does the theatre have altogether? 322

13. Which shape am I? I have 2 edges, 2 flat faces and 1 curved face. cylinder

14. $9^3 – 9^2 = 648$