Year 6
6 Mental Addition Tests with children's answer sheets
Tests are ideally taken once every 2 weeks
These tests have been designed for use in the
Michalmas term

<u>Year Six   Mental Arithmetic Test 1</u>

<u>(5 seconds response time)</u>

1. Write the number **three hundred and sixty four thousand four hundred and twenty** in figures. (364,420)
2. Look at the number sentence on your sheet. Write the correct value in the missing box. (150)
3. Multiply **three point eight** by **one hundred** (380)
4. On your answer sheet is a scale. What is the number shown by the arrow? (7.6)
5. It is **twelve thousand, three hundred and fifty miles** from London to Darwen. Round this distance to the nearest **one thousand** miles. (12,000)

<u>(10 seconds response time)</u>

6. Look at the numbers on your answer sheet. Write the number which is exactly **divisible by seven**. (56)
7. Look at your sheet. Put a ring around the **nearest number to three** (3.02)
8. What fraction of **1km is 250 metres**? ($\frac{1}{4}$)
9. What is **25% of £40** (£10)
10. Add together **51, 27 and 5**. (83)
11. The temperature rises from **–2°C to 7°C**. How many degrees does the temperature rise? (9°)
12. Which number is **300 less than 1276**? (976)
13. What is **double 125?** (250)
14. Look at your sheet. What number is shown? (3.75)
15. What is **twelve multiplied by eight**? (96)

<u>(15 seconds response time)</u>

16. A television programme starts at **9:38** and ends at **10:00**. How long did the programme last? (22 mins)
17. Look at the drawing on your answer sheet. Estimate the size of Angle A (30° – give 5° either way)
18. The exchange rate was **1.6 US dollars for £1**. How many dollars would you get for **£2**? (3.2)
19. Look at the rectangle on your answer sheet. What is the length of side A? (5cm)
20. Look at the number sentence on you answer sheet. Which number is missing from the box? (32)

Year Six   Mental Arithmetic Test 2

(5 seconds response time)

1. Write the number **one million three hundred and fifty thousand** in figures. (1,35000)
2. Look at the number sentence on your sheet. Write the correct value in the missing box. (230)
3. Multiply **twenty seven point four** by **one hundred** (2740)
4. On your answer sheet is a scale. What is the number shown by the arrow? (8.8)
5. It is **nine thousand nine hundred and eighty one miles** from London to Madras. Round this distance to the **nearest one thousand miles**. (10,000)

(10 seconds response time)

6.   Look at the numbers on your answer sheet. Write the number which is **exactly divisible by nine**. (54)
7.   Look at the numbers on your sheet. Put a ring around the **nearest number to ten**. (10.02)
8.   What fraction of **1km is 700 metres**? ($^7/_{10}$)
9.   Write **in kilograms 4500g** (4.5 or 4 ½ kg)
10. What must I take from **200 to leave 55**? (145)
11. Look at the number sequence on your sheet. Which number is missing from the empty box? (80)
12. What is **742 subtract 120**? (622)
13. What is **half of 276**? (138)
14. Look at your sheet. What number is shown? (7.5)
15. What is **13 x 20**? (260)

(15 seconds response time)

16. A television programme starts at **9:55** and lasts for **18 minutes**. What time does the programme end? (10:13)
17. Look at the drawing on your answer sheet. Estimate the size of Angle A (60° – give 5° either way)
18. Charlie bought a car for **£2,500**. He had to pay **10% deposit**. How much was the deposit? (£250)
19. Look at the rectangle on your answer sheet. What is the length of side A? (4cm)
20. What is the difference between **155 and 390**? (235)

Year Six   Mental Arithmetic Test 3

<u>(5 seconds response time)</u>

1. What is **half of 70**? (35)
2. What number would I add to **35 to make 50**? (15)
3. Write the number **six thousand and six** in figures. (6006)
4. How many **metres** are equivalent to **3.5 kilometres**? (3500)
5. Round **973** to the **nearest ten**. (1000)

<u>(10 seconds response time)</u>

6. How many **7 pence sweets** could you buy for **50 pence**? (7)
7. Which number would you **add** to **750 to make 1000**? (250)
8. Five track-suits cost **£200**. What does **one track-suit cost**? (£40)
9. How many **days are there in seven weeks**? (49)
10. A **rectangle measures 9cm by 8cm**. What is its **area**? (72cm^2)
11. What is **half of 4800**? (2400)
12. Estimate the **size of angle** shown on your answer sheet (150° – give 5° either way)
13. What is **one quarter of £10**? (£2.50)
14. On your answer sheet is a **scale**. What is the number shown? (32500)
15. What is **thirty multiplied by thirty**? (900)

<u>(15 seconds response time)</u>

16. Which **two numbers** in the box have a **product of 44**? (11 & 4)
17. In a money box there are **eight twenty pence pieces**. Write down the **total amount** in the box. (£1.60)
18. Put a ring around the **largest quantity** shown on the answer sheet. (3.5kg)
19. Look at the timetable on your answer sheet. A train leaves Liverpool at **10:40** and Arrives in Wigan at **11:46. How long did the journey take?** (1h 6min)
20. What is **one point three multiplied by three**? (3.9)

Year Six   Mental Arithmetic Test 4

(5 seconds response time)

1. What is **double 26**? (52)
2. What is the square root of **49**? (7)
3. Write the number **six thousand and twelve** in figures. (6012)
4. How many **grams** are equivalent to **6.8 kilograms**? (6800g)
5. Round **3248** to the **nearest hundred**. (3200)

(10 seconds response time)

6. Rulers cost **24p each.** How much would **2 rulers cost**? (48p)
7. Two numbers have a **difference of 30**. One of them is **48**, what could the **other number** be? (78 or 18)
8. Which number **multiplied by itself** equals **121**? (11)
9. How many **hours are there in three days**? (72h)
10. A **rectangle measures 11cm by 5cm**. What is its **area**? ($55cm^2$)
11. What is **a quarter of 4800**? (1200)
12. Estimate the **size of angle A** shown on your answer sheet? (50° – give 5° either way)
13. What is **three quarters of £10**? (£7.50)
14. On your answer sheet is a **scale**. What is the number shown? (2150)
15. What is **forty multiplied by fifty**? (2000)

(15 seconds response time)

16. Which **two numbers** in the box have a **product of 63**? (7 & 9)
17. In a money box there are **seven fifty pence pieces**. Write down the **total amount** in the box. (£3.50)
18. Put a ring around the **largest quantity** shown on the answer sheet. (3.5km)
19. Look at the timetable on your answer sheet. A train leaves **Liverpool** at **10:40** and Arrives in **St Helens** at **11:21. How long did the journey take?** (41 mins)
20. What is **one point six multiplied by three**? (4.2)

Year Six   Mental Arithmetic Test 5

(5 seconds response time)

1. What is **half of 90**? (45)
2. What number would I add to **27** to make **60**? (33)
3. Write the number **six thousand and twenty three** in figures. (6023)
4. How many **millilitres** are equivalent to **2.9 litres**? (2900 ml)
5. Round **7063** to the **nearest hundred**. (7100)

(10 seconds response time)

6. How many **8 pence sweets** could you buy for **50 pence**? (6)
7. Which number would you **add** to **775 to make 1000**? (25)
8. What is **10% of £2.90**? (29p)
9. What is **3700 metres** to the nearest **kilometre**? (4km)
10. Look at the equation on your answer sheet. What is the **value of n**? (n - 8 = 16) (24)
11. What is **half of 5600**? (2800)
12. Estimate the **size of angle** A shown on your answer sheet? (120° – give 5° either way)
13. Alex bought a pen for **85p**. How much **change** did he receive from **£1**? (15p)
14. On your answer sheet is a **scale**. What is the number shown? (285)
15. What is **sixty multiplied by sixty**? (3600)

(15 seconds response time)

16. Which **two numbers** in the box have a **product of 56**? (7 & 8)
17. In a money box there are **twelve twenty pence pieces**. Write down the **total amount** in the box. (£2.40)
18. Put a ring around the **nearest number to six**. (5.98)
19. Look at the timetable on your answer sheet. A train leaves **Rainhill** at **11:35** and arrives in **Wigan** at **12:16. How long did the journey take?** (41 mins)
20. What is **two point four multiplied by three**? (7.2)

Year Six   Mental Arithmetic Test 6

(5 seconds response time)

1. What is **double 35**? (70)
2. What number would I add to **28** to make **80**? (52)
3. Write the number **six thousand and seventy** in figures. (6070)
4. What is half of **2.6**? (1.3)
5. Round **58216** to the **nearest thousand**. (58,000)

(10 seconds response time)

6. Rulers cost **46 pence** each. How much would **two rulers** cost? (92p)
7. Which number would you **add** to **806 to make 1000**? (194)
8. What is **30% of £5?** (£1.50)
9. An **orange costs 32 pence** and an **apple costs 19 pence**.
   How much do they cost **altogether**? (51p)
10. Look at the equation on your answer sheet. What is the
    value of n? (n - 13 = 20) (33)
11. What is **half of 7600**? (3800)
12. Esimate the **size of angle A** shown on your answer sheet? (10° –
    give 5° either way)
13. Alex bought a pen for 77p. How much change did he
    receive from £1? (23p)
14. On your answer sheet is a **scale**. What is the number
    shown? (260)
15. What is **ninety multiplied by ninety**? (8100)

(15 seconds response time)

16. Which **two numbers** in the box have a **product of 72**? (8 & 9)
17. In a money box there are **eleven fifty pence pieces**. Write
    down the **total amount** in the box. (£5.50)
18. Put a ring around the **smallest number**. ($^2/_{10}$)
19. Look at the timetable on your answer sheet. A train leaves
    Liverpool at **09:40** and Arrives in **St Helens** at **10:21. How
    long did the journey take?** (41mins)
20. What is **three point four multiplied by three**? (10.2)

Year Six   Mental Arithmetic Test 7

(5 seconds response time)

1. What is **double 45**? (90)
2. Which number would I add to **75 to make 100**? (25)
3. Write the number **fifty one thousand two hundred and thirty** in figures (51,230)
4. A bag contains 100 black and white balls. **One quarter** of the balls are black. What is the probability of pulling a white ball out of the bag? (1 in 4)
5. What is the size of angle A marked on your answer sheet? (20°)

(10 seconds response time)

6. How many **8p pencils** could you buy for **50 pence**? (6)
7. Which number would you add to **850 to make 1000**? (150)
8.   Divide **12 by 3** then **subtract 2** (2)
9. An apple costs **18p** and an orange costs **17p**. How much are they **all together**? (35p)
10. How many minutes are there in **6 hours**? (360 mins)
11. Look at the quadrilateral on your answer sheet. What is the perimeter of the shape? (9cm)
12. Look at your answer sheet. Put a ring round the appropriate mass of a pencil. (1g)
13. What is **half of 3.8**? (1.9)
14. On your answer sheet is a scale. What mark is shown by the arrow?(6.84)
15. What is **735cm** to the **nearest metre**? (7m)

(15 seconds response time)

16. Which two numbers in the box have a **product of 88**? (11 & 8)
17. Alex paid for a toy with a **£10 note** and received **£3.50 change**. How much was the toy? (£6.50)
18. Look at the answer sheet. Put a ring around the smallest of the five numbers on your sheet. (1.07)
19. A train leaves Manchester at **11:05** and arrives in Eccles at **11:20**. How long did the journey take? (15 mins)
20. What is **306 minus 298**? (8)
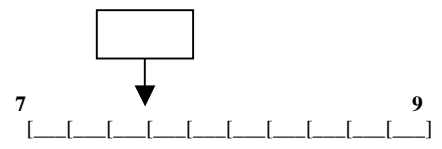
YEAR 6   Mental Arithmetic Test 1

Name	Date

1.

2. [ ] ÷ 10 = 15

3.   3.8   100

4.
[ ]
7   9
[__|__|__|__|__|__|__|__|__|__]

5.   miles   12350

6.   16   38
             56   58

7.   2.9   3.2   3.02
            2.92   3.2

8.   1km   250m
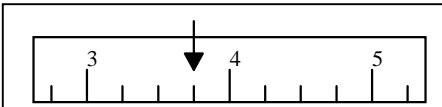
9.   25%   £40

10.   51   27
                  5

11.   -2°C   7°C

12.   300   1276

13.   125

14.
3   ↓   4   5
|_|_|_|_|_|_|_|_|_|_|_|_|

15.   12   8

16.   minutes   9:38   10:00
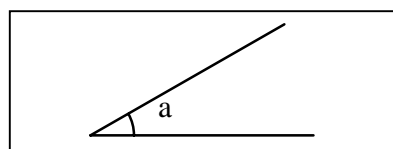
17.   0
                a

18. $ $1.6   £2

19.   cm   8cm
                A
                Perimeter = 26cm

20.   [ ] - 12 = 20
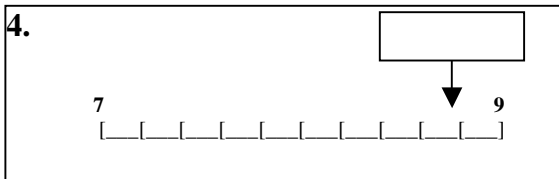
YEAR 6   Mental Arithmetic Test 2

| Name | Date |

1.

2. ☐ ÷ 10 = 23

3.   27.4   100

4.
7 [__|__|__|__|__|__|__|__|__|__|__] 9

5.   _____ miles   9981

6.   19   39
        54   57

7.   9.9   10.2   10.02
              9.92   9.2

8.   1km   700m

9.   4500g

10.   200   55

11.   ☐ - 11 = 69

12.   742   120

13.   276

14.
0   5   10   15   20

15.   13   20

16.   9:55   18 minutes

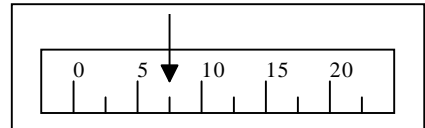**17.**   0
                              a

18.   £   £2500   10%
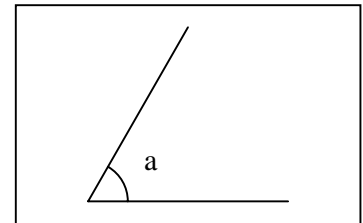
19.   cm
        9cm
        A
        Perimeter = 26cm

20.   155   390

YEAR 6   Mental Arithmetic Test 3

Name

Date

1.

2.   35   50

3.

4.   **m**   **3.5km**

5.   **973**

6.   **7p   50p**

7.   **750   1000**

8.   **5   £200**

9.   **days**

10.   **9cm   8cm**
                    cm²

11.   **4800**

12.   **0**
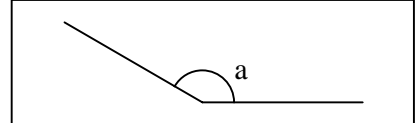
13. $\frac{1}{4}$ **£10**

14.
          32000   33000

15.   **30   30**

16.   **11   8**
                    12   4

17.   **8   20p**

18.   **3kg   2500g**
        3005g   3.5kg

19.

LIVERPOOL	0940	1010	1040	1110
Rainhill	1005	1035	1105	1135
St Helens	1021	1051	1121	1151
WIGAN	1046	1116	1146	1216

20.   **1.3   3**

YEAR 6   Mental Arithmetic Test 4

Name

Date

1.

2.
          49

3.

4.   **6.8kg**
    g

5.   **3248**

6.   **24p**   **2**

7.   **30**   **48**

8.   **121**

9.
    hours

10.   **11cm**   **5cm**
    cm^2

11.   **4800**

12.   **0**

    a
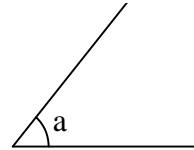
13. $\frac{3}{4}$ **£10**

14.

2000   **3000**

15.   **40**   **50**

16.   **6**   **8**
    7   **9**

17.   **7**   **50p**

18.   **3km**   **2500m**

    3005m   **3.5km**

19.

LIVERPOOL	0940	1010	1040	1110
Rainhill	1005	1035	1105	1135
St Helens	1021	1051	1121	1151
WIGAN	1046	1116	1146	1216

20.   **1.6**   **3**

YEAR 6 — Mental Arithmetic Test 5

Name

Date

1.

2. | 27   60 |

3.

4. ml | 2.9 |

5. | 7063 |

6. | 8p   50p |

7. | 775   1000 |

8. | 10%   £2.90 |

9. km | 3700m |

10. n = | | n - 8 = 16

11. | 5600 |

12.   0

a

13. | 85p   £1 |

14.
200   300
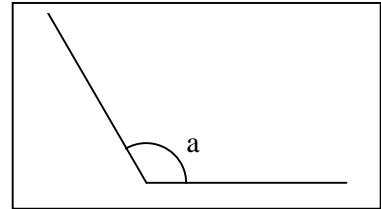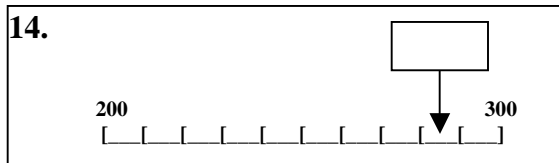
15. | 60   60 |

16. | 6   8 |
         | 7   9 |

17. | 12   20p |

18.   6.09   5.98
    6.2   6.22

19.

LIVERPOOL	0940	1010	1040	1110
Rainhill	1005	1035	1105	1135
St Helens	1021	1051	1121	1151
WIGAN	1046	1116	1146	1216

20. | 2.4   3 |

YEAR 6   Mental Arithmetic Test 6

Name

Date

1.

2.

28   80

3.

4.

2.6

5.

58216

6.

46p   2

7.

806   1000

8.

30%   £5

9.

p

32p   19p

10.

n =

n - 13 = 20

11.

7600

12.   0

a

13.

77p   £1

14.

200   400
[__[_[_[_[_[_[_[_[_[_[__]
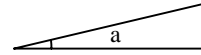
15.

90   90

16.

6   8

7   9

17.

11   50p

18.

$\frac{3}{4}$ $\frac{1}{3}$ $\frac{3}{8}$

$\frac{2}{10}$ $\frac{7}{8}$

19.

LIVERPOOL	0940	1010	1040	1110
Rainhill	1005	1035	1105	1135
St Helens	1021	1051	1121	1151
WIGAN	1046	1116	1146	1216

20.

3.4   3

YEAR 6   Mental Arithmetic Test 7

Name

Date

1.

2.

100	75

3.

4.

5.   **0**

70°   **a**
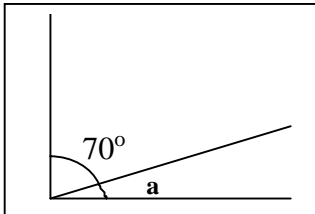
6.

8p	50p

7.

850	1000

8.

9.   **p**

18p	17p

10.   **minutes**

11.   **cm**

3cm   2cm   3cm   1cm
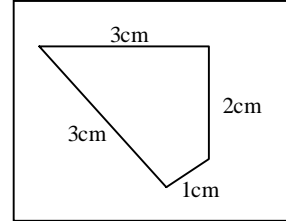
12.   **1g**   **10g**   **100g**   **1000g**   **2.5kg**

13.

14.

6.8   6.9

15.

16.

4	18
8	11

17.   **£**

£10	£3.50

18.   **1.7**   **17**   **7.01**   **1.07**   **1.71**

19.   **minutes**

Depart 11:05

Arrive 11:20

20.

306	298