

Year 5

Mental Arithmetic Tests



Equipment Required

- Printed question and answer sheet for the reader
- Printed blank answer page for child
- Stopwatch or timer
- Pencil

No other equipment is required to complete this test. No rulers, protractors or calculators should be used.

How to use the tests

Read out the text in red to the child. This tells them how long they have for each question.

Once you are ready to start, read out each question twice and then start the time (5 secs for the first 10 questions and 10 secs for the next 5 questions).

Although this is a mental maths test and the children should be doing the majority of working out in their heads, it is sometimes useful to write jottings down to help work out the answer. This is more than acceptable and good practice in case they need to go back (if they have spare time on one question) to finish working it out.

At the end of the test, mark the questions together and discuss how the child worked them out. Go through any they may have got wrong and work them out together.

Year Five Mental Arithmetic Test 1

5 second response time

1. Write the number four thousand, five hundred and twenty nine in figures. (4529)
2. Look at the number sentence on your sheet. Write the correct value in the missing box. (76)
3. Multiply thirty seven by ten. (370)
4. On your answer sheet is a scale. What is the number shown by the arrow? (34.5)
5. It is forty three miles from London to Oxford. Round this distance to the nearest ten miles. (40)

10 second response time

6. Look at the numbers on your answer sheet. Write the number which is exactly divisible by five. (85)
7. Put a ring around the smallest of the five numbers on your sheet. (167)
8. What fraction of one pound is ten pence? (1/10 or 0.1)
9. Write in centimetres one point three five metres. (135 cm)
10. What is twenty three more than sixty? (83)
11. The temperature falls from 7 degrees celsius to minus 2 degrees celsius . How many degrees does the temperature fall? Put a ring around the correct answer. (9)
12. What is forty three subtract thirty six? (7)
13. What is double 42? (84)
14. Look at the scale on your answer sheet. How much water is in the measuring cylinder? (240 ml)
15. What is 25 multiplied by 3? (75)

15 second response time

16. How many hours are there in 2 days? (48)
17. Look at the drawing on your answer sheet. Estimate the size of the angle. (90 degrees (± 2 degrees))
18. What is the total cost of a £2.50 book and a £3.20 game?
(£5. 70)
19. Look at the rectangle on your answer sheet. What is the perimeter of the rectangle? (14 cm)
20. How many centimetres are equivalent to 1.6m? (160 cm)

YEAR 5

Mental Arithmetic Test 1

NAME

DATE

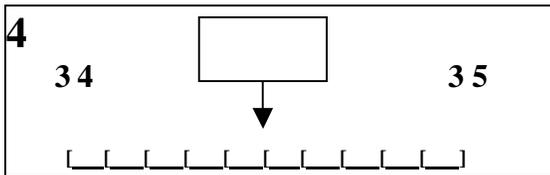
1

2

+ 10 = 86

3

37 10



5 miles

6

61 85
52 33

7

706 192 607
167 617

8

 £1 10p

9 cm 1.35m

10

 23 60

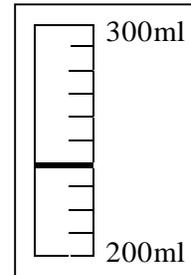
11 -4°C -2°C 9°C
 -5°C -3°C

12

43 **36**

13

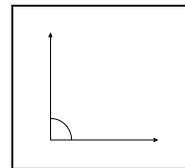
14 ml



15

16 hours

17 0



18 £

£2.50
£3.20

19 cm

4cm 3cm

20 cm

1.6m

Year Five Mental Arithmetic Test 2

5 second response time

1. Write the number six thousand, two hundred and thirty in figures.
(6230)
2. Look at the number sentence on your sheet. Write the correct value in the missing box. (45)
3. Multiply eighty three by ten. (830)
4. On your answer sheet is a scale. What is the number shown by the arrow? (34.1)
5. It is 127 miles from London to Birmingham. Round this distance to the nearest ten miles. (130)

10 second response

6. Look at the numbers on your answer sheet. Write the number which is exactly divisible by five. (15)
7. Put a ring around the largest of the five numbers on your sheet. (706)
8. What fraction of one pound is thirty pence? (3/10 or 0.3)
9. What is 10% of £2? (20p)
10. What is fifty two subtract forty seven? (5)
11. Look at the number sequence on your sheet. Which number is missing from the empty box? (24, 32, 40, 48, 56)
12. What is 62 minus 7? (55)
13. What is half of 86? (43)
14. Look at the scale on your answer sheet. How much water is in the measuring cylinder? (470 ml)
15. Cans of pop cost 25p. How much would six cans cost?
(£1.50)

15 second response time

16. How many seconds are there in 2 minutes? (120 secs)
17. Look at the drawing on your answer sheet. Estimate the size of the angle . (180 degrees (± 2 degrees))
18. It costs 80p for a child to swim. How much does it cost for 6 children to swim? (£4.80)
19. Look at the rectangle on your answer sheet. What is the perimeter of the rectangle? (14 cm)
20. How many grams are equivalent to 4kg? (4000 g)

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Mental Arithmetic Test 2

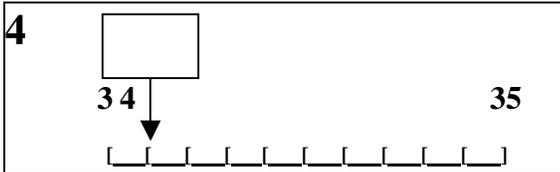
Name:

Date:

1

2 + 11 = 56

3 83 10



5 miles

6 51 15
52 53

7 706 192 607
167 617

8 £1 30p

9 10% £2

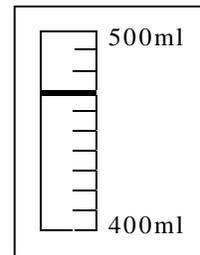
10 52 47

11 24, 32, 40, , 56

12 62 7

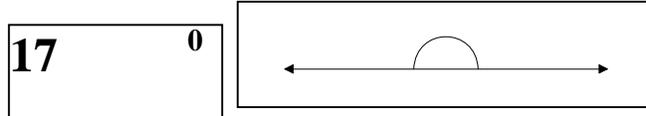
13

14 ml



15 £

16 seconds



18 £ 80p 6

19 cm 2cm 5cm

20 g 4kg

Year Five Mental Arithmetic Test 3

5 second response

1. Write the number eight thousand one hundred and six in figures. (**8106**)
2. Look at the number sentence on your sheet. Write the correct value in the missing box. (**30**)
3. Multiply seventy by ten. (**700**)
4. On your answer sheet is a scale. What is the number shown by the arrow? (**34.9**)
5. It is 494 miles from London to Nice. Round this distance to the nearest ten miles. (**490**)

10 second response time

6. Look at the numbers on your answer sheet. Write the number which is exactly divisible by ten. (**150**)
7. Put a ring around the smallest of the five numbers on your sheet. (**1670**)
8. What fraction of one pound is twenty pence? (**1/5 or 0.2**)
9. Write in grams 0.6 kg. (**600 g**)
10. An apple cost 18 pence. An orange costs 7 pence. How much are they altogether? (**25p**)
11. Look at the temperatures in the box. Put a circle around the lowest temperature (**- 5 °c**)
12. What must I add to 54 to make 93? (**39**)
13. What is double 38? (**76**)
14. Look at the scale on your answer sheet. What weight is the arrow pointing to ? (**75 kg**)
15. What is 14 multiplied by 5? (**70**)

15 second response

16. How many minutes are there in 1 ½ hours? (**90 mins**)
17. Look at the drawing on your answer sheet. Estimate the size of the angle. (**45 degrees (± 2 degrees)**)
18. A jigsaw costs 65p. How many can you buy for £2? (**3**)
19. Look at the rectangle on your answer sheet. What is its perimeter. (**18 cm**)
20. How many millilitres are equivalent to 5 litres? (**5000 ml**)

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Mental Arithmetic Test 3

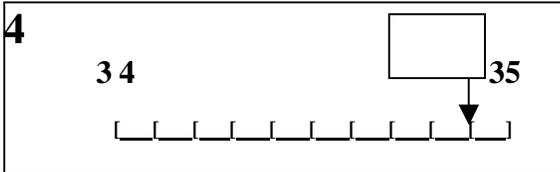
Name:

Date:

1

2 + 32 = 62

3 70 10



5 miles 494

6 501 150
502 1001

7 7060 1920 6070
1670 6170

8 £1 20p

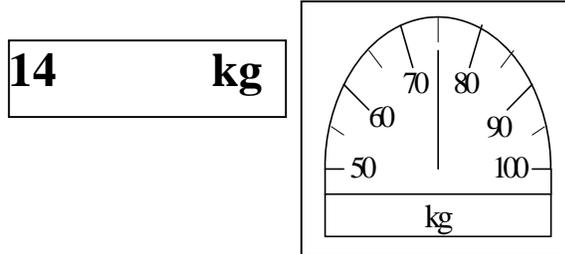
9 g 0.6 kg

10 p 18p 7p

11 -4°C -2°C 3°C
-5°C 5°C

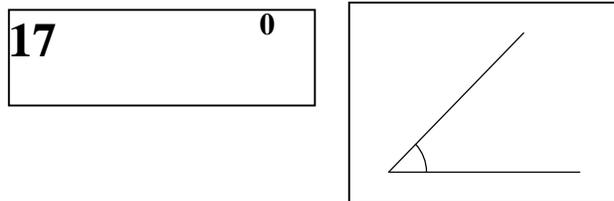
12 54 93

13



15

16 minutes



18 65p £2

19 cm 8cm
1cm

20 ml 5 litres

Year Five Mental Arithmetic Test 4

5 second response

1. Write the number two thousand seven hundred in figures. (2700)
2. Look at the number sentence on your sheet. Write the correct value in the missing box. (68)
3. Multiply one hundred and twenty five by ten. (1250)
4. On your answer sheet is a scale. What is the number shown by the arrow? (329)
5. It is 697 miles from London to Madrid. Round this distance to the nearest ten miles. (700)

10 second response

6. Look at the numbers on your answer sheet. Write the number which is exactly divisible by five and ten. (150)
7. Put a ring around the largest of the five numbers on your sheet. (7070)
8. What fraction of 1 metre is 50cm? ($\frac{1}{2}$)
9. What is 25% of £10? (£2.50)
10. What is three less than four thousand? (3997)
11. Look at the number sequence on your sheet. Which number is missing from the empty box? (6, 13, 20, 27)
12. Decrease 72 by 34? (38)
13. What is half of 74? (37)
14. Look at the scale on your answer sheet. What measurement does it show? (95 kg)
15. Chews cost 5 pence. How much would fourteen chews cost? (70p)

15 second response

16. How many days are there in the month of June? (30)
17. Look at the drawing on your answer sheet. Estimate the size of the angle. (30 degrees \pm 5 degrees)
18. Bill bought a tin of paint for £3.75. What was this change from £5? (£1.25)
19. Look at the rectangle on your answer sheet. What is the perimeter of the rectangle? (46 cm)
20. 8000 metres is equivalent to how many kilometres? (8)

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Mental Arithmetic Test 4

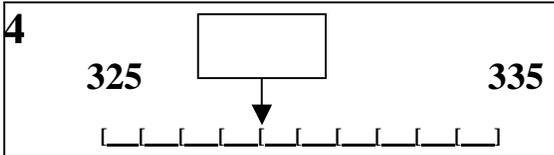
Name:

Date:

1

2 + 32 = 100

3 125 10



5 miles 697

6 55 150
5 105

7 7060 6720 6070
7070 6170

8 50cm

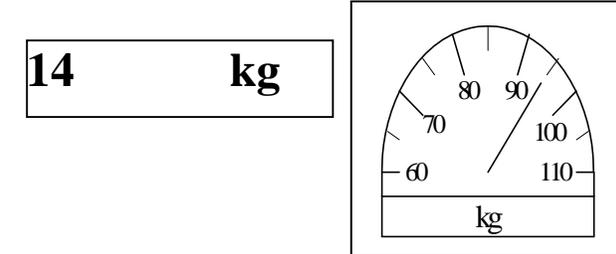
9 25% £10
£

10 3 4000

11 6, 13, 20,

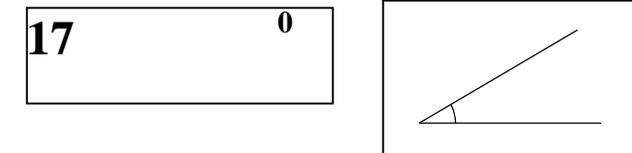
12 72 34

13



15 5p 14

16



18 £3.75 £5
£

19 cm 17cm
6cm

20 km 8000m

Year Five Mental Arithmetic Test 5

5 second response

1. Write the number nine thousand and seven in figures.
(9007)
2. Look at the number sentence on your sheet. Write the correct value in the missing box. (33)
3. Multiply seventy two by one hundred. (7200)
4. On your answer sheet is a scale. What is the number shown by the arrow? (3208)
5. It is 438 miles from London to Dundee. Round this distance to the nearest one hundred miles. (400)

10 second response

6. Look at the numbers on your answer sheet. Write the number which is exactly divisible by three. (27)
7. Look at the numbers on your sheet. Put a ring around the fraction equivalent to $\frac{1}{5}$. ($\frac{2}{10}$)
8. What fraction of 1 metre is 25cm? ($\frac{1}{4}$ or 0.25)
9. Write in millilitres 1.6litres (1600 ml)
10. What is 86 add 15? (101)
11. Look at the number sequence on your sheet. Which number is missing from the empty box? (80, 72, 64, 56)
12. What is 127 take away 35? (92)
13. What is double 190? (380)
14. Look at the scale on your answer sheet. What measurement does it show? (105 kg)
15. What is 6 multiplied by 12? (72)

15 second response

16. How many weeks are equivalent to 56 days? (8)
17. Look at the drawing on your answer sheet. Estimate the size of the angle. (60 degrees \pm 5 degrees)
18. A CD costs £4. Ali saves 40p a week. How many weeks must he save to buy the CD? (10 weeks)
19. Look at the rectangle on your sheet. What is the perimeter of the rectangle? (76 cm)
20. 30 millimetres is equivalent to how many centimetres? (3)

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Mental Arithmetic Test 5

Name:

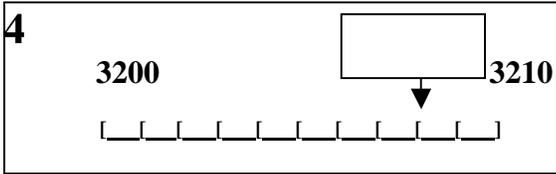
Date:

1

2 + 67 = 100

3

72 100



5 miles

438

6

13 27
23 17

7 $\frac{1}{2}$ $\frac{2}{10}$ $\frac{5}{8}$ $\frac{1}{4}$ $\frac{1}{3}$

8

25cm

9 ml

1.6 litres

10

86 15

11 80, 72, 64,

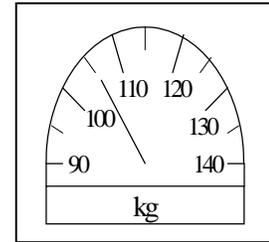
12

127 35

13

190

14 kg



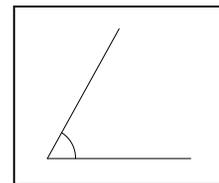
15

6 12

16

56 days

17 0



18 weeks

£4 40p

19 cm

8cm 30cm

20 cm

30mm

Year Five Mental Arithmetic Test 6

5 second response

1. Write the number twelve thousand three hundred and sixty five in figures. (**12,365**)
2. Look at the number sentence on your sheet. Write the correct value in the missing box. (**130**)
3. Multiply ninety nine by one hundred. (**9,900**)
4. On your answer sheet is a scale. What is the number shown by the arrow? (**3280**)
5. It is 249 miles from London to Preston. Round this distance to the nearest one hundred miles. (**200**)

10 second response

6. Look at the numbers on your answer sheet. Write the number which is exactly divisible by three. (**36**)
7. Look at the fractions in the box. Put a ring around the amount equivalent to $\frac{5}{10}$ ($\frac{1}{2}$)
8. What fraction of 1 metre is 75cm? ($\frac{3}{4}$)
9. What is 50% of £12.50? (**£6.25**)
10. What is the difference between 100 and 27? (**73**)
11. Look at the number sequence on your sheet. Which number is missing from the empty box. (56,67,78,**89**)
12. What is the difference between 155 and 390? (**235**)
13. What is half of 340? (**170**)
14. What is the distance between the two arrows? (**40**)
15. Pencils cost 12p each. How much would eight pencils cost? (**96p**)
16. How many minutes are there in an hour and a half? (**90 mins**)
17. Look at the drawing on your answer sheet. Estimate the size of angle A? (**20 degrees \pm 5 degrees**)
18. How many pence is £1.57? (**157p**)
19. Look at the rectangle on your answer sheet. What is the perimeter of the rectangle? (**23 cm**)
20. How many grams are equivalent to 4.5kg? (**4500g**)

