


Year 6 Arithmetic Test 14


NAME: MR A.N. EXAMPLE

1 8860 = $8,060 + 800$


 1 mark

2 $378 \times 6 =$

$$\begin{array}{r} 378 \\ \times 6 \\ \hline 2268 \end{array}$$

2268  1 mark

3 $564 =$ 500 $+ 60 + 4$

 1 mark

4

$47 \times 9 =$

$$\begin{array}{r} 47 \\ \times 9 \\ \hline 423 \end{array}$$

423

1 mark

5

$479 + 17 = 496$

$$\begin{array}{r} 479 \\ + 17 \\ \hline 496 \end{array}$$

479

1 mark

6

$132 \div 12 =$

$$\begin{array}{r} 12 \overline{) 132} \\ \underline{- 12} \\ 12 \\ \underline{- 12} \\ 0 \end{array}$$

12

1 mark

7

$$801 - 22 =$$

$$\begin{array}{r} 791 \\ 801 \\ - 22 \\ \hline 779 \end{array}$$

779

1 mark

8

$$594 \div 9 =$$

$$\begin{array}{r} 66 \\ 6 \overline{) 594} \\ \underline{36} \\ 234 \\ \underline{180} \\ 54 \\ \underline{54} \\ 0 \end{array}$$

Common mistake ↑

$$\begin{array}{r} 66 \\ 9 \overline{) 594} \\ \underline{54} \\ 54 \\ \underline{54} \\ 0 \end{array}$$

66

1 mark

9

$$1,000 \times 46 =$$

46000

1 mark

10

$$\boxed{48} \times 6 \times 3 = 72$$

$$\begin{array}{r} 6 \\ 12 \overline{) 72} \end{array} \quad \text{COMMON MISTAKE} \quad 6 \times 3 = 12$$

$$6 \times 6 = 3$$

$$6 \times 3 = 18 \quad 18 \overline{) 72}$$

1 mark

11

$$2\frac{1}{6} - \frac{5}{6} =$$

$$2 \times 6 + 1 = 13$$

$$\begin{array}{r} 13 \\ \underline{5} \\ 6 \end{array} \quad \begin{array}{r} 5 \\ \underline{6} \\ 6 \end{array}$$

$$\frac{8}{6}$$

1 mark

12

$$1,016 \div 8 =$$

$$\begin{array}{r} 127 \\ 8 \overline{) 1016} \\ \underline{- 8} \\ 21 \\ \underline{- 16} \\ 56 \\ \underline{- 56} \\ 0 \end{array}$$

$$127$$

1 mark

13

$$100 \times 0.006 =$$

0.6

0.6

1 mark

14

$$5.204 \div \boxed{100} = 0.05204$$

$$\begin{array}{r} 5.204 \\ 0.05204 \end{array}$$

1 mark

15

$$\boxed{56165} - 3,472 = 52,693$$

$$\begin{array}{r} 52693 \\ + 3472 \\ \hline 56165 \end{array}$$

1 mark

16

$3,000 \times 700 =$

$3 \times 7 = 21$

21000000

21000000

1 mark

17

$6.2 \times 7.4 =$

6.2

7.4

248

$$\begin{array}{r}
 4340 \\
 + 4588 \\
 \hline
 45880
 \end{array}$$

45.88

1 mark

18

$40\% \text{ of } 2,200 =$

$10\% = 220$

$\times 4$

$40\% = 880$

880

1 mark

19

$$\frac{1}{4} + 2\frac{2}{3} =$$

$$2 \times 3 + 2 = 8$$

$$\begin{array}{r} 32 + 3 \\ \hline 35 \\ 12 \end{array}$$

$$\frac{35}{12} \text{ or } 2\frac{11}{12}$$

1 mark

20

Show
your
method

$$\begin{array}{r} 29 \overline{) 28} \\ \underline{23} \\ 58 \\ \underline{58} \\ 0 \end{array}$$

$$\begin{array}{l} \textcircled{1} 29 \\ \textcircled{2} 58 \\ \textcircled{3} 87 \\ \textcircled{4} 116 \\ \textcircled{5} 145 \\ \textcircled{6} 174 \\ \textcircled{7} 203 \end{array}$$

28

2 marks

21

$$15 - 9.042 =$$

$$\begin{array}{r} 0.14 \\ \times 15 \\ \hline 9 \\ 5 \\ \hline 5.958 \end{array}$$

5.958

1 mark

25

$$400 \times \frac{3}{4} =$$

$$\begin{array}{r} 400 \\ \times 3 \\ \hline 1200 \\ \div 4 \\ \hline 300 \end{array}$$

$$400 \div 4 = 100$$

$$100 \times 3 = 300$$

300 or

$$\frac{1200}{4}$$

1 mark

26

$$51\% \times 300 =$$

$$1\% = 3$$

$$\begin{array}{r} 51 \\ \times 3 \\ \hline 153 \end{array}$$

153

1 mark

27

$$806,421 - 62,805 =$$

$$\begin{array}{r} 806,421 \\ - 62,805 \\ \hline 743,616 \end{array}$$

743 616

1 mark

28

$$0.089 \times 12 =$$

$$\begin{array}{r} 0.089 \\ \times 12 \\ \hline 0178 \\ 00890 \\ \hline 01068 \end{array}$$

1.068

1 mark

29

$$\begin{array}{r} 736 \\ \times 49 \\ \hline 6624 \\ 29440 \\ \hline 36064 \end{array}$$

Show
your
method

36064

2 marks

30

$$\frac{4}{5} \div 3 =$$

$$\frac{4}{5} \div \frac{3}{1} \quad \frac{4}{5} \times \frac{1}{3}$$

$$\frac{4}{5} \cdot \frac{1}{3}$$

4/15

1 mark

31

$$2\frac{1}{3} + 2\frac{3}{4} + 1\frac{2}{5} =$$

$$2\frac{15}{3} + 2\frac{9}{4}$$

$\begin{array}{r} 28 \\ \hline 7 + 11 \\ \hline 3 + 4 \\ \hline 12 \end{array}$
 $\begin{array}{r} 305 + 84 \\ \hline 61 + 7 \\ \hline 12 + 5 \\ \hline 60 \end{array}$

$$\frac{389}{60}$$

1 mark

32

$$5\frac{1}{4} - 2\frac{2}{7} =$$

$5 \times 4 + 1 = 21$

$\begin{array}{r} 147 \\ \hline 21 \\ \hline 4 \\ \hline 90 \end{array}$

$\begin{array}{r} 16 \\ \hline 4 \times 2 \\ \hline 8 \end{array}$

$\begin{array}{r} 48 \\ \hline 42 \\ \hline 6 \end{array}$

$\begin{array}{r} 99 \\ \hline 28 \\ \hline 71 \end{array}$

COMMON
 MISTAKE

1 mark

33

$$0.46 \div 10,000 =$$

$$0.000046$$

1 mark

34

$$38\% \text{ of } 7,500 =$$

$$1\% = 75$$

$$\begin{array}{r} 75 \\ 38 \\ \hline 600 \\ 2250 \\ \hline 2850 \end{array}$$

2850

1 mark

35

$$2\frac{4}{5} \times 12 =$$

$$\frac{14}{5} \times \frac{12}{1} = \frac{168}{5}$$

$$\frac{168}{5} / 33\frac{3}{5}$$

1 mark

36

$$\begin{array}{r} 98 \\ \times 77 \\ \hline 686 \\ 6860 \\ \hline 7586 \end{array}$$

$$\textcircled{1} 98 \quad \textcircled{6} 588$$

$$\textcircled{2} 196 \quad 98$$

$$98 \quad \textcircled{7} 686$$

$$\textcircled{3} 294$$

$$96$$

$$\textcircled{4} 392$$

$$98$$

$$\textcircled{5} 490$$

77

2 marks

Show
your
method