Wye School
The best in everyone™
Part of United Learning

Year 7

Maths Booklet

Name: Answers

The way I do my calculations

Addition

437 + 49

$$\begin{array}{r} 437 \\ +\ 49 \\ \hline 486 \\ \hline \end{array}$$

1

37.46 + 27.3

$$\begin{array}{r} 37.46 \\ 27.30 \\ \hline 64.76 \\ \hline \end{array}$$

1

Calculations

A 2 + 6 8	**B** 12 + 24 36	**C** 91 + 81 172	**D** 74 + 28 102
E 98 + 55 153	**F** ☐ + 33 = 97 64	**G** 179 + 361 540	**H** 894 + 317 1211
I 520 + ☐ = 844 324	**J** 3.1 + 5.2 8.3	**K** 3.5 + ☐ = 4.8 1.3	**L** 12.45 + 7.46 19.91
M 35 + 45.67 80.67	**N** 5.1 + 7.12 + 15.8 28.02	**O** 26.74 + 58.3 85.04	**P** 63.8 + 23.71 + 5 92.51

Worded Problems

1. If the Eifel tower is 298m tall and the London Shard is 309m. What is their combined height?

607m

2. James has £467 in the bank, he pays what is left of his birthday money to it. If he pays in his £45.57, how much does he have in total?

£512.57

3. Ryan goes shopping. In the first shop he spends £66.73, in the second £25, the third £156 and £14.56 in the last shop. How much money does he spend total?

£262.29

Spot the mistake.

+ 238 1487 3867 0238 +1487 1725 line up place value	+ 238 526 754 238 + 526 764 carry the ten
+ 5 2.3 2.8 5.0 + 2.3 7.3 line up place value	+ 438 21.6 65.4 438.0 + 21.6 459.6 line up place value

The way I do my calculations

Subtraction

440 – 61

$$\begin{array}{r} {}^{3}\cancel{4}^{13}\cancel{4}^{1}0 \\ -\ 0\ 6\ 1 \\ \hline 3\ 7\ 9 \end{array}$$

432 – 187

$$\begin{array}{r} {}^{3}\cancel{4}^{12}\cancel{3}^{1}2 \\ -\ 1\ 8\ 7 \\ \hline 2\ 4\ 5 \end{array}$$

Calculations

A 8 - 3 5	**B** 36 - 24 12	**C** 47 - 18 29	**D** 74 - 56 18
E 100 - 58 42	**F** ☐ - 33 = 45 78	**G** 798 - 268 530	**H** 1012 - 389 623
I 844 - ☐ = 541 303	**J** 8.7 - 6.5 2.2	**K** 3.5 - ☐ = 1.2 2.3	**L** ☐ - 3.6 = 9.7 13.3
M 74.63 – 17.21 57.42	**N** 6 – 2.4 3.6	**O** 78.54 – 13.6 64.94	**P** 586 – 85.31 500.69

Worded Problems

1. The London Eye is 117m tall and BT tower is 190m tall. How much taller is the BT tower than the London Eye?

73m

2. If the distance from Cardiff to London is 172miles and Amy has driven 87 miles. How many miles has Amy got left before she reaches London?

85 miles

3. Alex is checking the addition of 2 numbers. The ANSWER is 843, one of the numbers is 591, what is the other number in the sum?

252

Spot the mistake.

6783- 47 2383 $\begin{array}{r} 67\cancel{8}^{7}{}^{1}3 \\ -\ 0047 \\ \hline 6736 \end{array}$ line up place value	567 – 138 431 $\begin{array}{r} 5\cancel{6}^{5}{}^{1}7 \\ -\ 138 \\ \hline 429 \end{array}$ looked at difference between each number
83.69 – 782.7 54.2 $\begin{array}{r} 0\cancel{8}^{2}\cancel{3}^{1}.69 \\ -782.70 \\ \hline 00.99 \end{array}$ NOT POSSIBLE answer is negative. $\begin{array}{r} \cancel{7}^{6}\cancel{8}^{1}2.\cancel{7}^{6}{}^{1}0 \\ -\ 83.69 \\ \hline 699.01 \end{array}$ -699.01	8532- 23.1 830.1 $\begin{array}{r} 85\cancel{3}^{2}\cancel{2}^{11}.0 \\ -\ 23.1 \\ \hline 8508.9 \end{array}$ line up place value.

The way I do my calculations

Multiplication

234 × 3

$$\begin{array}{r} 234 \\ \times\ \ 3 \\ \hline 702 \\ \hline {\scriptstyle 1\ 1} \end{array}$$

42 × 27

$$\begin{array}{r} 42 \\ \times\ 27 \\ \hline 294 \\ 840 \\ \hline 1134 \\ \hline {\scriptstyle 1} \end{array}$$

Calculations

A 8 x 7 56	**B** 12 x 10 120	**C** 11 x 12 132	**D** 134 x 2 268
E ☐ x 4 = 56 14	**F** 361 x 5 1805	**G** 426 x 4 1704	**H** 243 x ☐ = 486 2
I 672 x 7 4704	**J** 2456 x 5 12280	**K** 24 x 12 288	**L** 68 x 47 3196
M 384 x 67 25728	**N** 34.5 x 3 103.5	**O** 57.24 x 3 171.72	**P** 465.78 x 8 3726.24

Worded Problems

1. How many days in 17 weeks?

119 days

2. If eggs are packed in boxes of 6. How many eggs altogether in 248 boxes?

1488 eggs

3. Dylan gets paid £5.75 every evening to do a paper round. How much does he earn if he competes the round every evening in May?

£178.25

Spot the mistake.

45x 3 = 1215 45 × 3 = 135 Did not carry the ten.	85.35 x 6 = 51210 85.35 × 6 = 512.10 Decimal point missed out
38.4x 6 = 23.04 38.4 × 6 = 230.4 Decimal point in wrong place	352x 4 = 1409 352 × 4 = 1408 Miscalculation

The way I do my calculations

Division

159 ÷ 3

$$3\overline{)159} = 53$$

476 ÷ 17

$$17\overline{)476} = 28$$

17
34
51
68
85
102
119
136

Calculations

A 8 ÷ 2 4	**B** 35 ÷ ☐ = 5 7	**C** 36 ÷ 9 4	**D** ☐ ÷ 7 = 8 56
E 72 ÷ 3 24	**F** ☐ ÷ 8 = 13 104	**G** 130 ÷ 10 13	**H** 168 ÷ 7 24
I 52 ÷ ☐ = 4 13	**J** 258 ÷ 8 32.25	**K** 121 ÷ ☐ = 11 11	**L** 1655 ÷ 5 331
M 2392 ÷4 598	**N** 12.45 ÷ 5 2.49	**O** 145.18 ÷ 2 72.59	**P** 6205.35 ÷ 3 2068.45

Worded Problems

1. James, Simon and Angela win £771 between them in a draw. How much money do they each get?

£257

2. 3600 football supporters want to go to an away game together. A coach holds 50 passengers. How many coaches would they need to all go to the game?

72

3. Fin buys sherbet straws from the newsagents. They cost 4p each and he spends £1.12. How many straws has he bought?

28

Spot the mistake.

$\begin{array}{r} 201 \\ 3\overline{)623} \end{array}$ $\begin{array}{r} 207.66 \\ 3\overline{)623.00} \end{array}$ $207.\dot{6}$ Did not carry the tens	$\begin{array}{r} 1095 \\ 5\overline{)547.5} \end{array}$ $\begin{array}{r} 109.5 \\ 5\overline{)547.5} \end{array}$ forgot the decimal point
$\begin{array}{r} 31 \\ 3\overline{)903} \end{array}$ $\begin{array}{r} 301 \\ 3\overline{)903} \end{array}$ zero divided by three is zero	$\begin{array}{r} 14 \\ 9\overline{)135} \end{array}$ $\begin{array}{r} 15 \\ 9\overline{)135} \end{array}$ 4 is carried not the answer