

Year 5

Arithmetic

Questions

by Richard Brown

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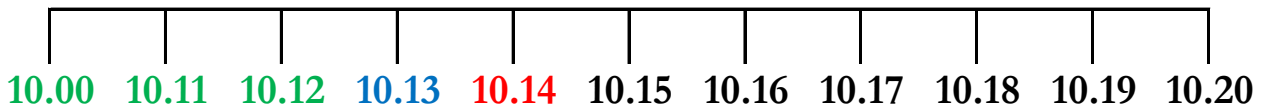
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Key Language and Representations

Reasoning Scenarios are the arithmetic test questions applied to a real-life reasoning and problem solving scenario.

Number Lines are used to count forwards and backwards in whole, decimal numbers and fractional numbers.



Concrete Objects are manipulated or handled to calculate and represent a number sentence and enable understanding. E.g. a metric ruler.

Formal Written Methods set out working in columnar form.

Ladder Method

$$\begin{array}{r}
 1 \ 2 \ 9 \\
 \times \quad \quad 7 \\
 \hline
 \quad \quad 6 \ 3 \\
 1 \ 4 \ 0 \\
 + \ 7 \ 0 \ 0 \\
 \hline
 1 \\
 \hline
 9 \ 0 \ 3
 \end{array}$$

Grid Method

x	200	60	7
4	800	240	28

Short Multiplication

$$\begin{array}{r}
 1 \ 7 \ 3 \\
 \times \quad \quad 5 \\
 \hline
 3 \ 1 \\
 \hline
 8 \ 6 \ 5
 \end{array}$$

$$\begin{array}{r}
 1 \ 3 \ 0 \\
 \times \quad \quad 9 \\
 \hline
 2 \\
 \hline
 1 \ 1 \ 7 \ 0
 \end{array}$$

Long Division

$$\begin{array}{r}
 \quad \quad 0 \ 6 \quad 7 \ r1 \\
 2 \overline{) 1 \ 3 \ 5} \\
 - \ 0 \\
 \hline
 \quad 1 \ 3 \\
 - \ 1 \ 2 \\
 \hline
 \quad \quad 1 \ 5 \\
 - \quad 1 \ 4 \\
 \hline
 \quad \quad \quad 1
 \end{array}$$

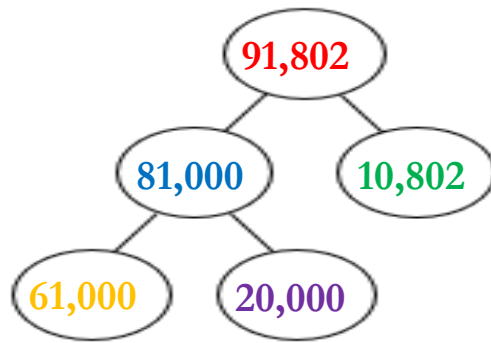
Short Division

$$\begin{array}{r}
 \quad \quad 0 \ 6 \ 7 \ r1 \\
 2 \overline{) 4 \ 13 \ 15}
 \end{array}$$

$$\begin{array}{r}
 \quad \quad 0 \ 4 \ 3 \ r1 \\
 4 \overline{) 4 \ 17 \ 13}
 \end{array}$$

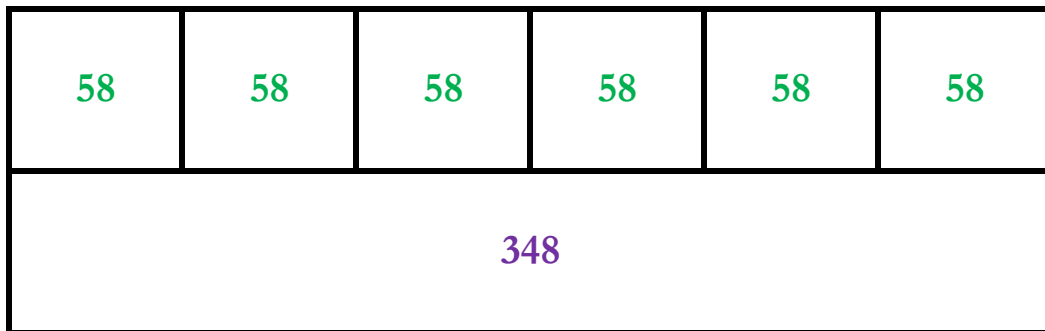
Strategy Applied is when formal written method is used to calculate an arithmetic question or a reasoning and problem solving scenario. Explained using appropriate mathematical language, proven using concrete objects that can be manipulated, shown with pictorial representations to visualise the calculations, enabling deeper understanding.

Part Whole Models are pictorial mathematical images to represent an arithmetic question or reasoning and problem solving scenario.



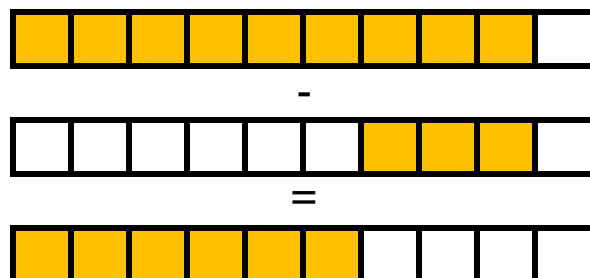
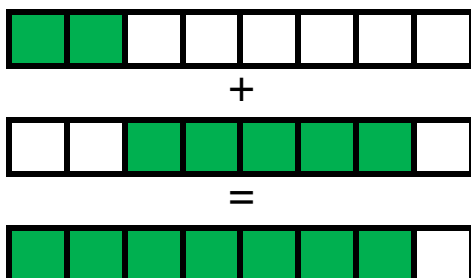
Bar Models are an image, that pictorially represents a calculation.

$$58 \times 6 = 348$$



$$\frac{2}{8} + \frac{5}{8} = \frac{7}{8}$$

$$\frac{9}{10} - \frac{3}{10} = \frac{6}{10}$$



Number Grid

0	1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19
20	21	22	23	24	25	26	27	28	29
30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49
50	51	52	53	54	55	56	57	58	59
60	61	62	63	64	65	66	67	68	69
70	71	72	73	74	75	76	77	78	79
80	81	82	83	84	85	86	87	88	89
90	91	92	93	94	95	96	97	98	99
100	101	102	103	104	105	106	107	108	109
110	111	112	113	114	115	116	117	118	119
120	121	122	123	124	125	126	127	128	129
130	131	132	133	134	135	136	137	138	139
140	141	142	143	144	145	146	147	148	149
150	151	152	153	154	155	156	157	158	159

Multiplication Square

x	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0
1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100
11	22	33	44	55	66	77	88	99	110
12	24	36	48	60	72	84	96	108	120

Decimal Number Grid

0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9
6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9
7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9
10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9
13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9
14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9
15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9

How Many

How many **1,000,000s** (millions), **100,000s** (hundred thousands) and **10,000s** (ten thousands) in each number?

1) 7,654,321 = ___

2) 5,124,619 = ___

3) 6,217,983 = ___

4) 9,353,774 = ___

5) 8,406,861 = ___

6) 3,537,902 = ___

7) 1,601,393 = ___

8) 2,721,548 = ___

9) 5,834,657 = ___

10) 6,095,372 = ___

Digit Value

What is the digit value of the **1,000,000s** (millions), **100,000s** (hundred thousands) and **10,000s** (tens thousands) in each number?

1) 7,654,321 = ___

2) 5,124,619 = ___

3) 6,217,983 = ___

4) 9,353,774 = ___

5) 8,406,861 = ___

6) 3,537,902 = ___

7) 1,601,393 = ___

8) 2,721,548 = ___

9) 5,834,657 = ___

10) 6,095,372 = ___

Compensate

1) $99 + 35 = \underline{\quad}$

2) $999 + 479 = \underline{\quad}$

3) $9,999 + 361 = \underline{\quad}$

4) $98 + 205 = \underline{\quad}$

5) $998 + 406 = \underline{\quad}$

6) $9,998 + 2,100 = \underline{\quad}$

7) $97 + 1,820 = \underline{\quad}$

8) $997 + 3,009 = \underline{\quad}$

9) $9,997 + 403 = \underline{\quad}$

10) $96 + 140 = \underline{\quad}$

11) $996 + 903 = \underline{\quad}$

12) $9,996 + 8,036 = \underline{\quad}$

13) $95 + 216 = \underline{\quad}$

14) $995 + 1,307 = \underline{\quad}$

15) $9,995 + 5,038 = \underline{\quad}$

Multiples of 1,000s, 10,000s and 100,000s

1) $370,000 + 241,000 = \underline{\quad}$

2) $230,000 + 370,000 = \underline{\quad}$

3) $150,000 + 63,000 = \underline{\quad}$

4) $105,000 + 326,000 = \underline{\quad}$

5) $840,000 + 70,000 = \underline{\quad}$

6) $370,000 + 95,000 = \underline{\quad}$

7) $210,000 + 450,000 = \underline{\quad}$

8) $150,000 + 75,000 = \underline{\quad}$

9) $220,000 + 290,000 = \underline{\quad}$

10) $840,000 + 55,000 = \underline{\quad}$

11) $\underline{\quad} + 9,200 = 80,400$

12) $\underline{\quad} + 4,006 = 29,006$

13) $\underline{\quad} + 5,810 = 63,000$

14) $\underline{\quad} + 2,510 = 40,050$

Number Sequence

1) 12.2 12.5 12.8 ___ ___

2) -14 -8 -2 ___ ___

3) 30 45 60 ___ ___

4) 150 225 300 ___ ___

5) -500 -450 -400 ___ ___

6) -95 -60 -25 ___ ___

7) 0 1.9 2.8 ___ ___

8) 3.6 4.5 5.4 ___ ___

9) 1.0 1.9 2.8 ___ ___

10) -1.95 -1.05 -0.15 ___ ___

11) $\frac{1}{8}$ $\frac{3}{8}$ $\frac{5}{8}$ ___ ___

12) $\frac{1}{3}$ $\frac{4}{3}$ $\frac{7}{3}$ ___ ___

Decimals

1) $2.14 + 1.835 = \underline{\quad}$

2) $1.36 + 2.513 = \underline{\quad}$

3) $2.61 + 6.352 = \underline{\quad}$

4) $7.58 + 1.416 = \underline{\quad}$

5) $6.23 + 1.759 = \underline{\quad}$

6) $4.75 + 2.138 = \underline{\quad}$

7) $3.79 + 4.205 = \underline{\quad}$

8) $6.13 + 3.982 = \underline{\quad}$

9) $1.97 + 8.134 = \underline{\quad}$

10) $3.65 + 3.256 = \underline{\quad}$

11) $\underline{\quad} = 5.40 + 2.209$

12) $\underline{\quad} = 6.70 + 3.348$

13) $\underline{\quad} = 5.50 + 1.768$

14) $\underline{\quad} = 7.20 + 1.952$

Column Addition

$$\begin{array}{r} 1) \quad 4 \quad 9 \quad 1 \quad 2 \quad 5 \quad 7 \\ + \quad 2 \quad 1 \quad 8 \quad 2 \quad 7 \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 4 \quad 1 \quad 9 \quad 8 \quad 3 \quad 2 \\ + \quad 3 \quad 9 \quad 6 \quad 2 \quad 7 \quad 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 7 \quad 2 \quad 5 \quad 3 \quad 2 \\ \quad \quad 5 \quad 0 \quad 9 \quad 1 \quad 5 \\ + \quad 3 \quad 3 \quad 3 \quad 3 \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 5 \quad 2 \quad 4 \quad 7 \quad 6 \quad 9 \\ + \quad 2 \quad 8 \quad 0 \quad 1 \quad 5 \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 4 \quad 2 \quad 8 \quad 0 \quad 5 \quad 6 \\ + \quad 2 \quad 1 \quad 5 \quad 3 \quad 7 \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 8 \quad 3 \quad 2 \quad 1 \quad 1 \\ \quad \quad 7 \quad 1 \quad 4 \quad 0 \quad 0 \\ + \quad 4 \quad 7 \quad 2 \quad 3 \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 4 \quad 1 \quad 9 \quad 0 \quad 4 \quad 9 \\ + \quad 3 \quad 8 \quad 1 \quad 3 \quad 7 \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 3 \quad 8 \quad 0 \quad 8 \quad 8 \quad 6 \\ + \quad 2 \quad 5 \quad 6 \quad 2 \quad 1 \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 5 \quad 2 \quad 7 \quad 8 \quad 7 \\ \quad \quad 5 \quad 4 \quad 8 \quad 3 \quad 0 \\ \quad \quad 4 \quad 3 \quad 0 \quad 4 \quad 6 \\ + \quad 2 \quad 5 \quad 6 \quad 8 \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 4 \quad 7 \quad 2 \quad 8 \quad 9 \quad 8 \\ + \quad 2 \quad 1 \quad 9 \quad 8 \quad 7 \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 7 \quad 5 \quad 5 \quad 5 \quad 5 \quad 4 \\ + \quad 6 \quad 6 \quad 7 \quad 7 \quad 7 \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 6 \quad 2 \quad 8 \quad 9 \quad 3 \\ \quad \quad 5 \quad 6 \quad 8 \quad 4 \quad 1 \\ \quad \quad 5 \quad 3 \quad 0 \quad 4 \quad 9 \\ + \quad 1 \quad 5 \quad 6 \quad 9 \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 9 \quad 8 \quad 0 \quad 8 \quad 4 \quad 1 \\ + \quad 8 \quad 8 \quad 3 \quad 3 \quad 3 \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 4 \quad 3 \quad 3 \quad 3 \quad 3 \quad 7 \\ + \quad 3 \quad 0 \quad 0 \quad 0 \quad 5 \quad 5 \\ \hline \\ \hline \end{array}$$

Column Addition with Decimals

$$\begin{array}{r} 1) \quad 3 \ 8 \ . \ 4 \ 5 \ 3 \\ + \quad 1 \ 5 \ . \ 2 \ 7 \ 1 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2 \ 8 \ . \ 3 \ 3 \ 7 \\ + \quad 1 \ 4 \ . \ 2 \ 4 \ 8 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 5 \ 5 \ . \ 4 \ 3 \\ \quad \quad 3 \ 7 \ . \ 2 \ 3 \\ + \quad 2 \ 8 \ . \ 1 \ 4 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 3 \ 7 \ . \ 4 \ 5 \ 7 \\ + \quad 2 \ 8 \ . \ 3 \ 6 \ 5 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 3 \ 5 \ . \ 4 \ 7 \ 9 \\ + \quad 1 \ 8 \ . \ 2 \ 8 \ 3 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 8 \ 0 \ . \ 7 \ 4 \\ \quad \quad 2 \ 9 \ . \ 1 \ 6 \\ + \quad \quad 5 \ . \ 8 \ 6 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 7 \ 9 \ . \ 8 \ 4 \ 0 \\ + \quad 5 \ 3 \ . \ 6 \ 6 \ 9 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 4 \ 4 \ . \ 5 \ 6 \ 0 \\ + \quad 2 \ 6 \ . \ 3 \ 4 \ 8 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 7 \ 9 \ . \ 5 \ 7 \\ \quad \quad 6 \ 3 \ . \ 5 \ 8 \\ \quad \quad 5 \ 4 \ . \ 4 \ 0 \\ + \quad 4 \ 8 \ . \ 2 \ 6 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 5 \ 0 \ . \ 6 \ 0 \ 4 \\ + \quad 3 \ 8 \ . \ 4 \ 6 \ 8 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 4 \ 0 \ . \ 5 \ 0 \ 6 \\ + \quad 2 \ 6 \ . \ 3 \ 8 \ 7 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 7 \ 9 \ . \ 6 \ 8 \\ \quad \quad 6 \ 4 \ . \ 5 \ 8 \\ \quad \quad 6 \ 4 \ . \ 5 \ 0 \\ + \quad 2 \ 9 \ . \ 1 \ 6 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 8 \ 6 \ . \ 9 \ 3 \ 8 \\ + \quad 7 \ 7 \ . \ 8 \ 4 \ 8 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 2 \ 3 \ . \ 1 \ 2 \ 7 \\ + \quad \quad 9 \ . \ 6 \ 3 \ 8 \\ \hline \quad \quad \cdot \\ \hline \end{array}$$

Find the Missing Number

- 1) $600 + 4,000 - 1,250 = \underline{\quad}$
- 2) $900 + 5,000 - 2,250 = \underline{\quad}$
- 3) $368,701 + 1,000 + 1,000 = \underline{\quad}$
- 4) $499,999 + 1,000 + 1,000 = \underline{\quad}$
- 5) $288,888 + 2,000 + 2,000 = \underline{\quad}$
- 6) $479,999 + 2,000 + 2,000 = \underline{\quad}$
- 7) $238,888 + 3,000 + 3,000 = \underline{\quad}$
- 8) $\underline{\quad} + 5,314 = 7,314 - 1,000$
- 9) $\underline{\quad} + 6,425 = 8,425 - 1,000$
- 10) $500 + 6,000 - 8,150 = \underline{\quad}$
- 11) $800 + 7,000 - 9,150 = \underline{\quad}$
- 12) $\underline{\quad} + 3,528 = 9,528 - 2,000$
- 13) $\underline{\quad} + 1,012 = 5,012 - 2,000$
- 14) $738,035 + 7,000 + 7,000 = \underline{\quad}$

Compensate

$1) 101 - 45 = \underline{\quad}$

$2) 1,001 - 479 = \underline{\quad}$

$3) 102 - 61 = \underline{\quad}$

$4) 1,002 - 205 = \underline{\quad}$

$5) 103 - 46 = \underline{\quad}$

$6) 1,003 - 210 = \underline{\quad}$

$7) 104 - 82 = \underline{\quad}$

$8) 1,004 - 309 = \underline{\quad}$

$9) 105 - 43 = \underline{\quad}$

$10) 1,005 - 140 = \underline{\quad}$

$11) 106 - 93 = \underline{\quad}$

$12) 1,006 - 836 = \underline{\quad}$

$13) 107 - 16 = \underline{\quad}$

$14) 1,007 - 307 = \underline{\quad}$

Multiples of 1,000s, 10,000s and 100,000s

1) $980,000 - 452,000 = \underline{\quad}$

2) $760,000 - 48,000 = \underline{\quad}$

3) $900,000 - 358,000 = \underline{\quad}$

4) $750,000 - 60,000 = \underline{\quad}$

5) $820,000 - 127,000 = \underline{\quad}$

6) $980,000 - 193,000 = \underline{\quad}$

7) $760,000 - 80,000 = \underline{\quad}$

8) $800,000 - 781,000 = \underline{\quad}$

9) $840,000 - 80,000 = \underline{\quad}$

10) $820,000 - 796,000 = \underline{\quad}$

11) $560,000 - 50,000 = \underline{\quad}$

12) $900,000 - 672,000 = \underline{\quad}$

13) $950,000 - 90,000 = \underline{\quad}$

14) $930,000 - 685,000 = \underline{\quad}$

Number Sequence

1) 15.9 15.5 15.1

2) 18 10 2

3) 63 57 51

4) 950 800 750

5) 325 200 75

6) -195 -260 -325

7) 5.2 4.5 3.8

8) 8.5 8 7.5

9) 11.9 11.7 11.5

10) -3.05 -5.05 -7.05

11) $\frac{8}{9}$ $\frac{6}{9}$ $\frac{4}{9}$

12) $\frac{9}{8}$ $\frac{7}{8}$ $\frac{5}{8}$

Decimals

1) $2.135 - 1.024 = \underline{\quad}$

2) $2.579 - 1.358 = \underline{\quad}$

3) $6.324 - 2.11 = \underline{\quad}$

4) $7.546 - 1.43 = \underline{\quad}$

5) $6.298 - 1.79 = \underline{\quad}$

6) $4.719 - 2.108 = \underline{\quad}$

7) $4.407 - 3.106 = \underline{\quad}$

8) $6.105 - 3.004 = \underline{\quad}$

9) $8.10 - 1.10 = \underline{\quad}$

10) $3.605 - 3.203 = \underline{\quad}$

11) $\underline{\quad} = 5.436 - 2.42$

12) $\underline{\quad} = 6.718 - 3.13$

13) $\underline{\quad} = 5.574 - 1.27$

14) $\underline{\quad} = 7.203 - 1.20$

Column Subtraction

$$\begin{array}{r} 1) \quad 5 \quad 3 \quad 6 \quad 0 \quad 0 \\ - \quad 3 \quad 7 \quad 6 \quad 7 \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 6 \quad 6 \quad 7 \quad 0 \quad 0 \\ - \quad 3 \quad 6 \quad 8 \quad 0 \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 2 \quad 3 \quad 5 \quad 0 \quad 0 \\ - \quad 2 \quad 1 \quad 0 \quad 0 \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 8 \quad 3 \quad 0 \quad 9 \quad 7 \\ - \quad 5 \quad 4 \quad 1 \quad 6 \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 3 \quad 6 \quad 3 \quad 4 \quad 2 \\ - \quad 2 \quad 7 \quad 8 \quad 3 \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 4 \quad 5 \quad 6 \quad 7 \quad 9 \\ - \quad 2 \quad 7 \quad 7 \quad 3 \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 5 \quad 9 \quad 2 \quad 0 \quad 2 \\ - \quad 2 \quad 7 \quad 8 \quad 9 \quad 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 9 \quad 8 \quad 3 \quad 0 \quad 7 \\ - \quad 2 \quad 7 \quad 6 \quad 9 \quad 0 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 9 \quad 0 \quad 1 \quad 0 \quad 4 \\ - \quad 5 \quad 5 \quad 5 \quad 5 \quad 5 \\ \hline \\ \hline \end{array}$$

Column Subtraction with Decimals

$$\begin{array}{r} 1) \quad 7 \ 9 \ . \ 5 \ 6 \ 9 \\ - \quad 3 \ 4 \ . \ 6 \ 2 \ 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 4 \ 5 \ . \ 7 \ 5 \ 5 \\ - \quad 2 \ 6 \ . \ 8 \ 6 \ 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 6 \ 9 \ . \ 3 \ 7 \\ - \quad 4 \ 5 \ . \ 4 \ 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 9 \ 5 \ . \ 7 \ 5 \ 6 \\ - \quad 4 \ 6 \ . \ 5 \ 3 \ 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 6 \ 7 \ . \ 9 \ 7 \ 7 \\ - \quad 4 \ 8 \ . \ 3 \ 5 \ 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 5 \ 6 \ . \ 8 \ 9 \\ - \quad 3 \ 9 \ . \ 4 \ 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 8 \ 4 \ . \ 0 \ 7 \ 5 \\ - \quad 5 \ 6 \ . \ 9 \ 6 \ 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 7 \ 3 \ . \ 0 \ 0 \ 0 \\ - \quad 4 \ 4 \ . \ 8 \ 9 \ 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 7 \ 5 \ . \ 0 \ 8 \\ - \quad 6 \ 5 \ . \ 3 \ 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 8 \ 0 \ . \ 4 \ 9 \ 0 \\ - \quad 5 \ 6 \ . \ 8 \ 6 \ 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 6 \ 0 \ . \ 6 \ 4 \ 4 \\ - \quad 4 \ 8 \ . \ 7 \ 8 \ 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 9 \ 0 \ . \ 5 \ 8 \\ - \quad 6 \ 3 \ . \ 5 \ 5 \\ \hline \\ \hline \end{array}$$

Find the Missing Number

- 1) $3,200\text{m} - 1.65\text{km} = \underline{\quad}$
- 2) $\pounds 72 - \pounds 14.38 = \underline{\quad}$
- 3) $\underline{\quad} - 475 = 9,760$
- 4) $\underline{\quad} - 4,632 = 9,511$
- 5) $357 = 457 - \underline{\quad}$
- 6) $100 - \underline{\quad} = 30$
- 7) $\underline{\quad} = 4,650 - 1,000$
- 8) $200,900 - 1,000 - 1,000 = \underline{\quad}$
- 9) $301,301 - 1,000 - 1,000 = \underline{\quad}$
- 10) Subtract three thousand, six hundred and one from four thousand and eighty five = $\underline{\quad}$
- 11) Subtract one hundred and five from three hundred and forty two = $\underline{\quad}$
- 12) $402,900 - 2,000 - 2,000 = \underline{\quad}$
- 13) $501,900 - 3,000 - 3,000 = \underline{\quad}$
- 14) $720,800 - 4,000 - 4,000 = \underline{\quad}$

Multiples of 10

1) $40 \times 5 = \underline{\quad}$

2) $40 \times 7 = \underline{\quad}$

3) $50 \times 8 = \underline{\quad}$

4) $60 \times 8 = \underline{\quad}$

5) $70 \times 8 = \underline{\quad}$

6) $6 \times 120 = \underline{\quad}$

7) $3 \times 110 = \underline{\quad}$

8) $3 \times 120 = \underline{\quad}$

9) $4 \times 110 = \underline{\quad}$

10) $4 \times 120 = \underline{\quad}$

11) $\underline{\quad} = 210 \times 2$

12) $\underline{\quad} = 240 \times 3$

13) $\underline{\quad} = 320 \times 4$

14) $\underline{\quad} = 410 \times 5$

Multiples of 10

1) $60 \times 40 = \underline{\quad}$

2) $60 \times 90 = \underline{\quad}$

3) $50 \times 80 = \underline{\quad}$

4) $50 \times 70 = \underline{\quad}$

5) $50 \times 60 = \underline{\quad}$

6) $40 \times 80 = \underline{\quad}$

7) $30 \times 70 = \underline{\quad}$

8) $70 \times 80 = \underline{\quad}$

9) $70 \times 70 = \underline{\quad}$

10) $90 \times 90 = \underline{\quad}$

11) $\underline{\quad} = 110 \times 10$

12) $\underline{\quad} = 120 \times 20$

13) $\underline{\quad} = 210 \times 30$

14) $\underline{\quad} = 220 \times 40$

x10, x100 and x1,000

1) 2.13

2) 25.7

3) 632.4

4) 7.54

5) 62.9

6) 471.9

7) 4.47

8) 61.5

9) 810.2

10) 3.605

11) 54.36

12) 671.8

13) 5.574

14) 72.03

15) 613.9

Indices

1) $3^2 + 2^3 = \underline{\quad}$

2) $4^2 + 2^3 = \underline{\quad}$

3) $2^2 + 3^2 = \underline{\quad}$

4) $3^2 + 4^2 = \underline{\quad}$

5) $3^2 + 3^3 = \underline{\quad}$

6) $4^2 + 4^3 = \underline{\quad}$

7) $5^2 + 6^2 = \underline{\quad}$

8) $5^2 + 7^2 = \underline{\quad}$

9) $8^2 + 5^3 = \underline{\quad}$

10) $9^2 + 5^3 = \underline{\quad}$

11) $2^3 + 10^3 = \underline{\quad}$

12) $2^3 + 5^3 = \underline{\quad}$

13) $11^2 + 2^3 = \underline{\quad}$

14) $10^2 + 2^3 = \underline{\quad}$

Short Multiplication

$$\begin{array}{r} 1) \quad 1 \quad 3 \quad 2 \quad 1 \quad 4 \quad 6 \\ \times 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2 \quad 1 \quad 0 \quad 5 \quad 3 \quad 7 \\ \times 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 3 \quad 1 \quad 0 \quad 6 \quad 5 \quad 3 \\ \times 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 4 \quad 3 \quad 0 \quad 0 \quad 2 \quad 5 \\ \times 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 5 \quad 2 \quad 0 \quad 8 \quad 6 \quad 9 \\ \times 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 6 \quad 1 \quad 3 \quad 9 \quad 1 \quad 2 \\ \times 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 7 \quad 2 \quad 4 \quad 5 \quad 7 \quad 1 \\ \times 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 8 \quad 2 \quad 1 \quad 6 \quad 0 \quad 7 \\ \times 9 \\ \hline \\ \hline \end{array}$$

Short Multiplication with Decimals

$$\begin{array}{r} 1) \quad 1 \ 3 \ . \ 2 \ 4 \ 6 \\ \times \quad \quad \quad \quad \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 3 \ 2 \ . \ 4 \ 3 \ 2 \\ \times \quad \quad \quad \quad \quad 9 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad \quad 4 \ . \ 3 \ 2 \\ \times \quad \quad \quad \quad \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 7 \ 2 \ . \ 2 \ 4 \ 9 \\ \times \quad \quad \quad \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 5 \ 3 \ . \ 4 \ 5 \ 8 \\ \times \quad \quad \quad \quad \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad \quad 5 \ . \ 5 \ 2 \\ \times \quad \quad \quad \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 9 \ 3 \ . \ 3 \ 5 \ 6 \\ \times \quad \quad \quad \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 2 \ 4 \ . \ 5 \ 2 \ 5 \\ \times \quad \quad \quad \quad \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 8 \ 6 \ . \ 2 \ 3 \\ \times \quad \quad \quad \quad \quad 5 \\ \hline \\ \hline \end{array}$$

Long Multiplication

$$\begin{array}{r} 1) \quad 83 \\ \times \quad 24 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad \quad \quad \\ \hline \hline \end{array}$$

$$\begin{array}{r} 2) \quad 137 \\ \times \quad \quad 24 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad \quad \quad \\ \hline \hline \end{array}$$

$$\begin{array}{r} 3) \quad 5478 \\ \times \quad \quad \quad 28 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad \quad \quad \\ \hline \hline \end{array}$$

$$\begin{array}{r} 4) \quad 94 \\ \times \quad 26 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad \quad \quad \\ \hline \hline \end{array}$$

$$\begin{array}{r} 5) \quad 458 \\ \times \quad \quad 36 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad \quad \quad \\ \hline \hline \end{array}$$

$$\begin{array}{r} 6) \quad 6757 \\ \times \quad \quad \quad 49 \\ \hline \end{array}$$

$$\begin{array}{r} + \quad \quad \quad \\ \hline \hline \end{array}$$

Find the Missing Number

1) £2.75 x ___ = £35.00 - £7.50

2) £4.75 x ___ = £65.00 - £17.50

3) 60 x 40 = ___ x 30

4) 617 x 9 = ___ + 1,860

5) 4 x 4 x 4 = ___

6) 6 x 8 = ___ x 4

7) 8 x ___ = 96

8) 6 x 7 x 4 = ___

9) 506 x 7 = ___ + 1,753

10) 18 x 0 x 8 = ___

11) 7 x ___ = 63

12) 3 x 7 x 8 = ___

13) 2,106 x 3 = ___ + 2,453

14) 15 x 0 x 6 = ___

Multiples of 10

1) $330 \div 3 = \underline{\quad}$

2) $360 \div 4 = \underline{\quad}$

3) $350 \div 5 = \underline{\quad}$

4) $360 \div 6 = \underline{\quad}$

5) $420 \div 7 = \underline{\quad}$

6) $320 \div 8 = \underline{\quad}$

7) $360 \div 9 = \underline{\quad}$

8) $240 \div 3 = \underline{\quad}$

9) $240 \div 4 = \underline{\quad}$

10) $250 \div 5 = \underline{\quad}$

11) $630 \div 9 = \underline{\quad}$

12) $270 \div 3 = \underline{\quad}$

13) $480 \div 4 = \underline{\quad}$

14) $600 \div 5 = \underline{\quad}$

Multiples of 10

1) $4,200 \div 70 = \underline{\quad}$

2) $4,800 \div 80 = \underline{\quad}$

3) $3,500 \div 50 = \underline{\quad}$

4) $5,500 \div 50 = \underline{\quad}$

5) $4,500 \div 30 = \underline{\quad}$

6) $4,800 \div 40 = \underline{\quad}$

7) $1,500 \div 50 = \underline{\quad}$

8) $4,200 \div 60 = \underline{\quad}$

9) $7,200 \div 90 = \underline{\quad}$

10) $4,000 \div 80 = \underline{\quad}$

11) $5,500 \div 50 = \underline{\quad}$

12) $5,400 \div 60 = \underline{\quad}$

13) $8,100 \div 90 = \underline{\quad}$

14) $9,600 \div 80 = \underline{\quad}$

÷10, ÷100 and ÷1,000

1) 213

2) 257

3) 6324

4) 75

5) 62

6) 4719

7) 4

8) 6

9) 8102

10) 605

11) 54306

12) 6718

13) 55074

14) 7203

15) 60139

Short Division

1) $28,253 \div 9 = \underline{\quad}$

2) $15,643 \div 9 = \underline{\quad}$

3) $35,840 \div 8 = \underline{\quad}$

4) $12,688 \div 8 = \underline{\quad}$

5) $24,571 \div 7 = \underline{\quad}$

6) $15,789 \div 7 = \underline{\quad}$

7) $24,854 \div 6 = \underline{\quad}$

8) $35,058 \div 6 = \underline{\quad}$

9) $35,008 \div 4 = \underline{\quad}$

10) $79,036 \div 4 = \underline{\quad}$

Short Division with Decimals

1) $1.06 \div 4 = \underline{\quad}$

2) $5.54 \div 4 = \underline{\quad}$

3) $3.66 \div 6 = \underline{\quad}$

4) $7.38 \div 6 = \underline{\quad}$

5) $9.18 \div 3 = \underline{\quad}$

6) $2.895 \div 3 = \underline{\quad}$

7) $1.057 \div 7 = \underline{\quad}$

8) $5.77 \div 7 = \underline{\quad}$

9) $4.32 \div 8 = \underline{\quad}$

10) $7.456 \div 8 = \underline{\quad}$

Find the Missing Number

1) $3,500 \div 50 + 150 =$ _____

2) $100 - 60 \div 4 + 9 =$ _____

3) $3,200 \div 8 + 120 =$ _____

4) $3,200 \div 40 + 400 =$ _____

5) $3,600 \div 9 + 40 =$ _____

6) $3,600 \div 4 + 90 =$ _____

7) $40 - 36 \div 3 + 5 =$ _____

8) $180 - 78 \div 2 + 4 =$ _____

9) $12 + 7 \times 4 \div 4 =$ _____

10) $100 - 26 \div 2 + 8 =$ _____

11) $320 \div 8 + 15 =$ _____

12) $4,800 \div 40 + 25 =$ _____

13) $360 \div 9 + 35 =$ _____

14) $360 \div 6 + 45 =$ _____

To Nearest 10,000

1) 5,469,109 = ___

2) 9,270,864 = ___

3) 9,878,135 = ___

4) 5,888,063 = ___

5) 2,173,639 = ___

6) 1,081,482 = ___

7) 1,043,068 = ___

8) 2,010,207 = ___

9) 3,870,671 = ___

10) 6,561,112 = ___

11) 6,320,849 = ___

12) 8,721,920 = ___

13) 9,087,451 = ___

14) 2,936,204 = ___

To Nearest 100,000

1) 5,469,109 = ___

2) 9,270,864 = ___

3) 9,878,135 = ___

4) 5,888,063 = ___

5) 2,173,639 = ___

6) 1,081,482 = ___

7) 1,043,068 = ___

8) 2,010,207 = ___

9) 3,870,671 = ___

10) 6,561,112 = ___

11) 6,320,849 = ___

12) 8,721,920 = ___

13) 9,087,451 = ___

14) 2,936,204 = ___

To Nearest 1,000,000

1) 5,469,109 =

2) 9,270,864 =

3) 6,878,135 =

4) 5,888,063 =

5) 2,173,639 =

6) 1,081,482 =

7) 1,043,068 =

8) 2,010,207 =

9) 3,870,671 =

10) 6,561,112 =

11) 6,320,849 =

12) 8,721,920 =

13) 9,087,451 =

14) 2,936,204 =

Percentage of a Quantity

1) 42% of 90 = ___

2) 76% of 60 = ___

3) 75% of 66 = ___

4) 38% of 78 = ___

5) 91% of 60 = ___

6) 63% of 40 = ___

7) 55% of 46 = ___

8) 35% of 98 = ___

9) 71% of 80 = ___

10) 33% of 20 = ___

11) 12% of 950 = ___

12) 89% of 250 = ___

13) 98% of 240 = ___

14) 34% of 460 = ___

Fraction of a Quantity

1) $\frac{3}{5}$ of 2 metres = ___

2) $\frac{2}{3}$ of 63km = ___

3) $\frac{3}{7}$ of 2800m = ___

4) $\frac{1}{3}$ of £5.07 = ___

5) $\frac{3}{7}$ of 700 = ___

6) $\frac{5}{6}$ of 120 = ___

7) $\frac{3}{8}$ of £120 = ___

8) $\frac{1}{4}$ of 308 = ___

9) $\frac{1}{8}$ of £7.20 = ___

10) $\frac{4}{7}$ of £14 = ___

Add Fractions

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

$$2) \frac{3}{5} + \frac{5}{6} = \underline{\quad}$$

$$3) \frac{3}{4} + \frac{11}{12} = \underline{\quad}$$

$$4) \frac{1}{3} + \frac{5}{12} = \underline{\quad}$$

$$5) \frac{1}{4} + \frac{5}{6} = \underline{\quad}$$

$$6) \frac{1}{2} + \frac{1}{12} = \underline{\quad}$$

$$7) \frac{1}{4} + \frac{5}{8} = \underline{\quad}$$

$$8) \frac{2}{6} + \frac{7}{12} = \underline{\quad}$$

$$9) \frac{1}{5} + \frac{5}{15} = \underline{\quad}$$

$$10) \frac{2}{10} + \frac{7}{30} = \underline{\quad}$$

Subtract Fractions

$$1) \frac{3}{4} - \frac{1}{10} = \underline{\quad}$$

$$2) \frac{3}{4} - \frac{3}{10} = \underline{\quad}$$

$$3) \frac{2}{3} - \frac{1}{12} = \underline{\quad}$$

$$4) \frac{2}{3} - \frac{1}{6} = \underline{\quad}$$

$$5) \frac{2}{3} - \frac{1}{9} = \underline{\quad}$$

$$6) \frac{2}{3} - \frac{2}{9} = \underline{\quad}$$

$$7) \frac{3}{4} - \frac{7}{10} = \underline{\quad}$$

$$8) \frac{2}{5} - \frac{2}{6} = \underline{\quad}$$

$$9) \frac{7}{12} - \frac{2}{6} = \underline{\quad}$$

$$10) \frac{2}{3} - \frac{4}{9} = \underline{\quad}$$

Multiply Fractions

$$1) \frac{5}{8} \times 2 = \underline{\quad}$$

$$2) \frac{5}{7} \times 6 = \underline{\quad}$$

$$3) \frac{3}{8} \times 3 = \underline{\quad}$$

$$4) \frac{1}{5} \times 6 = \underline{\quad}$$

$$5) \frac{1}{6} \times 3 = \underline{\quad}$$

$$6) \frac{1}{5} \times 4 = \underline{\quad}$$

$$7) \frac{1}{6} \times 5 = \underline{\quad}$$

$$8) \frac{3}{7} \times 8 = \underline{\quad}$$

Multiply Mixed Fractions

$$1) 4 \frac{2}{5} \times 3 = \underline{\quad}$$

$$2) 4 \frac{1}{3} \times 3 = \underline{\quad}$$

$$3) 5 \frac{5}{6} \times 2 = \underline{\quad}$$

$$4) 2 \frac{3}{5} \times 5 = \underline{\quad}$$

$$5) 2 \frac{1}{3} \times 4 = \underline{\quad}$$

$$6) 3 \frac{5}{6} \times 4 = \underline{\quad}$$

$$7) 2 \frac{4}{5} \times 3 = \underline{\quad}$$

$$8) 4 \frac{1}{3} \times 5 = \underline{\quad}$$

Find The Missing Number

$$1) \frac{1}{4} \times 2 = \frac{1}{8} + \frac{\quad}{8}$$

$$2) \frac{4}{9} + \frac{2}{3} = 1 + \frac{\quad}{9}$$

$$3) \frac{2}{3} \times 4 = \frac{\quad}{15}$$

$$4) \frac{3}{8} + \frac{\quad}{8} = 1 \frac{1}{8}$$

$$5) \frac{1}{5} + \frac{3}{5} + \frac{2}{10} = \frac{\quad}{20}$$

$$6) 5 \frac{\quad}{7} = \frac{37}{7}$$

$$7) \frac{2}{7} \text{ of } \frac{\quad}{7} = 40$$

$$8) 1 \frac{1}{4} - \frac{\quad}{8} = \frac{7}{8}$$

$$9) \frac{3}{4} - \frac{\quad}{8} = \frac{1}{2}$$

$$10) \pounds 35 = \frac{\quad}{2} \text{ of } \pounds 87.50$$

Answers

P. 1

- 1) 7 million, 6 hundred thousands, 5 ten thousands, 4 thousand, 3 hundreds, 2 tens, 1 ones
- 2) 5 million, 1 hundred thousands, 2 ten thousands, 4 thousand, 6 hundreds, 1 tens, 9 ones
- 3) 6 million, 2 hundred thousands, 1 ten thousands, 7 thousand, 9 hundreds, 8 tens, 3 ones
- 4) 9 million, 3 hundred thousands, 5 ten thousands, 3 thousand, 7 hundreds, 7 tens, 4 ones
- 5) 8 million, 4 hundred thousands, 0 ten thousands, 6 thousand, 8 hundreds, 6 tens, 1 ones
- 6) 3 million, 5 hundred thousands, 3 ten thousands, 7 thousand, 9 hundreds, 0 tens, 2 ones
- 7) 1 million, 6 hundred thousands, 0 ten thousands, 1 thousand, 3 hundreds, 9 tens, 3 ones
- 8) 2 million, 7 hundred thousands, 2 ten thousands, 1 thousand, 5 hundreds, 4 tens, 8 ones
- 9) 5 million, 8 hundred thousands, 3 ten thousands, 4 thousand, 6 hundreds, 5 tens, 7 ones
- 10) 6 million, 0 hundred thousands, 9 ten thousands, 5 thousand, 3 hundreds, 7 tens, 2 ones

P. 2

- 1) 7,000,000, 600,000, 50,000, 4,000, 300, 20, 1
- 2) 5,000,000, 100,000, 20,000, 4,000, 600, 10, 9
- 3) 6,000,000, 200,000, 10,000, 7,000, 900, 80, 3
- 4) 9,000,000, 300,000, 50,000, 3,000, 700, 70, 4
- 5) 8,000,000, 400,000, 6,000, 800, 60, 1
- 6) 3,000,000, 500,000, 30,000, 7,000, 900, 2
- 7) 1,000,000, 600,000, 1,000, 300, 90, 3
- 8) 2,000,000, 700,000, 20,000, 1,000, 500, 40, 8
- 9) 5,000,000, 800,000, 30,000, 4,000, 600, 50, 7
- 10) 6,000,000, 90,000, 5,000, 300, 70, 2

Answers

P. 3

- 1) 134
- 2) 1,478
- 3) 10,360
- 4) 303
- 5) 1,404
- 6) 12,098
- 7) 1,917
- 8) 4,006
- 9) 10,400
- 10) 236
- 11) 1,899
- 12) 18,032
- 13) 311
- 14) 2,302
- 15) 15,033

P. 4

- 1) 611,000
- 2) 600,000
- 3) 213,000
- 4) 331,000
- 5) 910,000
- 6) 465,000
- 7) 660,000
- 8) 225,000
- 9) 510,000
- 10) 895,000
- 11) 89,600
- 12) 33,012
- 13) 68,810
- 14) 42,560

P. 5

- 1) 13.1, 13.4
- 2) 4, 10
- 3) 75, 90
- 4) 375, 450
- 5) -350 -300
- 6) 10, 45
- 7) 5.7, 7,6
- 8) 6.3, 7.2
- 9) 3.7, 4.6
- 10) 0.75, 1.65
- 11) $\frac{7}{8}$, $1\frac{1}{8}$
- 12) 4, $5\frac{1}{3}$

P. 6

- 1) 3.915
- 2) 3.863
- 3) 8.962
- 4) 8.996
- 5) 7.989
- 6) 6.888
- 7) 7.995
- 8) 10.112
- 9) 10.104
- 10) 6.906
- 11) 7.609
- 12) 10.048
- 13) 7.268
- 14) 9.152

P. 17

- 1) 709,535
- 2) 816,103
- 3) 156,784
- 4) 643,432
- 5) 790,422
- 6) 201,845
- 7) 692,772
- 8) 1,423,332
- 9) 176,346
- 10) 733,392
- 11) 1,367,852
- 12) 2,018,468
- 13) 1,763,474
- 14) 188,482

P. 8

- 1) 53.724
- 2) 42.585
- 3) 120.80
- 4) 53.762
- 5) 133.509
- 6) 115.76
- 7) 89.072
- 8) 66.893
- 9) 245.81
- 10) 32.765
- 11) 120.804
- 12) 115.772
- 13) 245.824
- 14) 237.92

P. 9

- 1) 5,850
- 2) 8,150
- 3) 370,701
- 4) 501,999
- 5) 292,888
- 6) 483,999
- 7) 244,888
- 8) 1,000
- 9) 1,000
- 10) 2,350
- 11) 1,650
- 12) 4,000
- 13) 2,000
- 14) 752,035

P. 10

- 1) 56
- 2) 522
- 3) 41
- 4) 797
- 5) 57
- 6) 793
- 7) 22
- 8) 695
- 9) 62
- 10) 865
- 11) 13
- 12) 70
- 13) 91
- 14) 700

Answers

P. 11

- 1) 528,000
- 2) 712,000
- 3) 542,000
- 4) 690,000
- 5) 693,000
- 6) 787,000
- 7) 680,000
- 8) 19,000
- 9) 760,000
- 10) 24,000
- 11) 510,000
- 12) 228,000
- 13) 860,000
- 14) 245,000

P. 12

- 1) 14.7, 14.3
- 2) -6 -14
- 3) 45, 39
- 4) 700, 650
- 5) -50 -175
- 6) -390 -455
- 7) 3.1, 2.4
- 8) 7.0, 6.5
- 9) 11.1, 10.7
- 10) -9.05 -11.05
- 11) $\frac{2}{9}$, 0
- 12) $\frac{3}{8}$, $\frac{1}{8}$

P. 13

- 1) 1.111
- 2) 1.221
- 3) 4.214
- 4) 6.116
- 5) 4.508
- 6) 2.611
- 7) 1.301
- 8) 3.101
- 9) 7
- 10) 0.402
- 11) 3.016
- 12) 3.605
- 13) 4.304
- 14) 6.003

P. 14

- 1) 15,922
- 2) 29,898
- 3) 2,494
- 4) 28,934
- 5) 8,504
- 6) 17,944
- 7) 31,312
- 8) 70,617
- 9) 34,549

P. 15

- 1) 44.945
- 2) 18.889
- 3) 23.95
- 4) 49.217
- 5) 19.622
- 6) 17.45
- 7) 27.110
- 8) 28.101
- 9) 9.73
- 10) 23.627
- 11) 11.856
- 12) 27.03

P. 16

- 1) 1.55km
- 2) 57.62
- 3) 10,235
- 4) 14,143
- 5) 100
- 6) 70
- 7) 3,650
- 8) 98,900
- 9) 299,301
- 10) 484
- 11) 237
- 12) 398,900
- 13) 495,900
- 14) 712,800

P. 17

- 1) 200
- 2) 280
- 3) 400
- 4) 480
- 5) 280
- 6) 720
- 7) 330
- 8) 360
- 9) 440
- 10) 480
- 11) 420
- 12) 720
- 13) 1,280
- 14) 2,050

P. 18

- 1) 2,400
- 2) 5,400
- 3) 4,000
- 4) 3,500
- 5) 3,000
- 6) 3,200
- 7) 2,100
- 8) 5,600
- 9) 4,900
- 10) 8,100
- 11) 1,100
- 12) 2,400
- 13) 6,300
- 14) 8,800

Answers

P. 19

- 1) 21.3, 213, 2,130
- 2) 257, 2,570, 25,700
- 3) 6,324, 63,240, 632,400
- 4) 75.4, 754, 7,540
- 5) 629, 6,290, 62,900
- 6) 4,719, 47,190, 471,900
- 7) 44.7, 447, 4,470
- 8) 615, 6,150, 61,500
- 9) 8,102, 81,020, 810,200
- 10) 36.05, 360.5, 3,605
- 11) 543.6, 5,436, 54,360
- 12) 6,718, 67,180, 671,800
- 13) 55.74, 557.4, 5,574
- 14) 720.3, 7,203, 72,030
- 15) 6,139, 61,390, 613,900

P. 20

- 1) 17
- 2) 24
- 3) 13
- 4) 25
- 5) 36
- 6) 80
- 7) 61
- 8) 74
- 9) 189
- 10) 206
- 11) 1,008
- 12) 133.0
- 13) 129
- 14) 108

P. 21

- 1) 264,292
- 2) 631,611
- 3) 1,242,612
- 4) 2,150,125
- 5) 3,125,214
- 6) 4,297,384
- 7) 5,796,568
- 8) 7,394,463

P. 22

- 1) 66.230
- 2) 290.888
- 3) 34.56
- 4) 433.494
- 5) 267.290
- 6) 38.64
- 7) 653.492
- 8) 147.150
- 9) 431.15

P. 23

- 1) 1,992
- 2) 3,288
- 3) 153,384
- 4) 2,444
- 5) 16,488
- 6) 331,093

P. 24

- 1) 10
- 2) 10
- 3) 80
- 4) 3,693
- 5) 64
- 6) 12
- 7) 12
- 8) 168
- 9) 1,789
- 10) 0
- 11) 9
- 12) 168
- 13) 3,865
- 14) 0

P. 25

- 1) 110
- 2) 90
- 3) 70
- 4) 60
- 5) 60
- 6) 40
- 7) 40
- 8) 80
- 9) 60
- 10) 50
- 11) 70
- 12) 90
- 13) 120
- 14) 120

Answers

P. 26

- 1) 60
- 2) 60
- 3) 70
- 4) 110
- 5) 150
- 6) 120
- 7) 30
- 8) 70
- 9) 80
- 10) 50
- 11) 110
- 12) 90
- 13) 90
- 14) 120

P. 27

- 1) 21.3, 2.13, 0.213
- 2) 25.7, 2.57, 0.257
- 3) 632.4, 63.24, 6.324
- 4) 7.5, 0.75, 0.075
- 5) 6.2, 0.62, 0.062
- 6) 471.9, 47.19, 4.719
- 7) 0.4, 0.04, 0.004
- 8) 0.6, 0.06, 0.006
- 9) 810.2, 81.02, 8.102
- 10) 60.5, 6.05, 0.0605
- 11) 5430.6, 543.06, 54.306
- 12) 671.8, 67.18, 6.718
- 13) 5,507.4, 550.74, 55.074
- 14) 720.3, 72.03, 7.203
- 15) 6013.9, 601.39, 60.139

P. 28

- 1) 3,139 r2
- 2) 1,738 r1
- 3) 4,480
- 4) 1,586
- 5) 351 r1
- 6) 2,255 r4
- 7) 4,142 r2
- 8) 5,843
- 9) 8,752
- 10) 19,759

P. 29

- 1) 0.265
- 2) 1.385
- 3) 0.61
- 4) 1.23
- 5) 3.06
- 6) 0.965
- 7) 0.151
- 8) 0.824
- 9) 0.54
- 10) 0.932

P. 30

- 1) 220
- 2) 76
- 3) 160
- 4) 480
- 5) 80
- 6) 180
- 7) 23
- 8) 137
- 9) 19
- 10) 79
- 11) 55
- 12) 145
- 13) 75
- 14) 105

P. 31

- 1) 5,470,000
- 2) 9,270,000
- 3) 9,880,000
- 4) 5,890,000
- 5) 2,170,000
- 6) 1,080,000
- 7) 1,040,000
- 8) 2,010,000
- 9) 3,870,000
- 10) 6,560,000
- 11) 6,320,000
- 12) 8,720,000
- 13) 9,090,000
- 14) 2,940,000

P. 32

- 1) 5,500,000
- 2) 9,300,000
- 3) 9,900,000
- 4) 5,900,000
- 5) 2,200,000
- 6) 1,100,000
- 7) 1,000,000
- 8) 2,000,000
- 9) 3,900,000
- 10) 6,600,000
- 11) 6,300,000
- 12) 8,700,000
- 13) 9,100,000
- 14) 3,000,000

Answers

P. 33

- 1) 5,000,000
- 2) 9,000,000
- 3) 7,000,000
- 4) 6,000,000
- 5) 2,000,000
- 6) 1,000,000
- 7) 1,000,000
- 8) 2,000,000
- 9) 4,000,000
- 10) 7,000,000
- 11) 6,000,000
- 12) 9,000,000
- 13) 9,000,000
- 14) 3,000,000

P. 34

- 1) 37.8
- 2) 45.6
- 3) 49.5
- 4) 29.64
- 5) 54.6
- 6) 25.2
- 7) 25.3
- 8) 34.3
- 9) 56.8
- 10) 6.6
- 11) 114
- 12) 222.5
- 13) 235.2
- 14) 156.4

P. 35

- 1) 120cm
- 2) 42km
- 3) 1,200m
- 4) £1.69
- 5) 300
- 6) 100
- 7) £45.00
- 8) 77.00
- 9) £0.90
- 10) £8.00

P. 36

- 1) $\frac{22}{15}$ or $1\frac{7}{15}$
- 2) $\frac{43}{30}$ or $1\frac{13}{30}$
- 3) $\frac{20}{12}$ or $1\frac{2}{3}$
- 4) $\frac{9}{12}$ or $\frac{3}{4}$
- 5) $\frac{13}{12}$ or $1\frac{1}{12}$

- 6) $\frac{7}{12}$
- 7) $\frac{7}{8}$
- 8) $\frac{11}{12}$
- 9) $\frac{8}{15}$
- 10) $\frac{13}{30}$

P. 37

- 1) $\frac{13}{20}$
- 2) $\frac{9}{20}$
- 3) $\frac{7}{12}$
- 4) $\frac{3}{6}$ or $\frac{1}{2}$
- 5) $\frac{5}{9}$
- 6) $\frac{4}{9}$
- 7) $\frac{1}{20}$
- 8) $\frac{2}{30}$ or $\frac{1}{15}$
- 9) $\frac{3}{12}$ or $\frac{1}{4}$
- 10) $\frac{2}{9}$

Answers

P. 38

$$1) \frac{8}{10} \text{ or } 1 \frac{1}{4}$$

$$5) \frac{3}{6} \text{ or } \frac{1}{2}$$

$$2) \frac{30}{7} \text{ or } 4 \frac{2}{7}$$

$$6) \frac{4}{5}$$

$$3) \frac{9}{8} \text{ or } 1 \frac{1}{8}$$

$$7) \frac{5}{6}$$

$$4) \frac{6}{5} \text{ or } 1 \frac{1}{5}$$

$$8) \frac{24}{7} \text{ or } 3 \frac{3}{7}$$

P. 39

$$1) \frac{66}{5} \text{ or } 13 \frac{1}{5}$$

$$5) \frac{28}{3} \text{ or } 9 \frac{1}{3}$$

$$2) \frac{39}{3} \text{ or } 13$$

$$6) \frac{92}{6} \text{ or } 15 \frac{1}{3}$$

$$3) \frac{70}{6} \text{ or } 11 \frac{2}{3}$$

$$7) \frac{42}{5} \text{ or } 8 \frac{2}{5}$$

$$4) \frac{65}{5} \text{ or } 13$$

$$8) \frac{65}{3} \text{ or } 21 \frac{2}{3}$$

P. 40

$$1) 3$$

$$2) 1$$

$$3) 40$$

$$4) \frac{6}{8}$$

$$5) 20$$

$$6) 2 \text{ and } 7$$

$$7) 140$$

$$8) \frac{3}{8}$$

$$9) 2$$

$$10) 5$$