

In order from smallest to largest


Stop and look.
What do you notice?

five point two, four, three

## 5 ones, 2 tenths, 4 hundredths, 3 thousandths



Round to the nearest tenth.

$$
6.5 \mid 3 \rightarrow 6.5
$$



The net of a cube




The net of a prism has rectangles and two identical polygons that can be folded to make a prism.

[^0]Multiplying and dividing by
10,100 and 1000

| M | HTh | TTh | Th | 100s | 10s | 1 s | $\frac{1}{10}$ | $\frac{1}{100}$ | $\frac{1}{1000}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1 | 3 | 6 |  |  |
| Each digit is ten times greater |  |  |  | 1 | 3 | 6 |  |  |  |
|  |  | 1 | 3 | 6 | 0 | 0 | $\leqslant$ |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 2 | 4 | 7 |  |  |
| Each digit is ten times smaller. |  |  |  |  |  | 2 | - 4 | 7 |  |
|  |  |  |  |  | $>$ | 0 | 2 | 4 | 7 |


$13.6 \times 10$ move digits 1 column left $13.6 \times 1000$ move digits 3 columns left
$24.7 \div 10$
move digits 1 column right $24.7 \div 100$ move digits 2 columns right

| 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 |

A prime number has exactly 2 factors: $2,3,5,7,11,13,17,19$...

A composite number has more than 2 factors: $4,6,8,9,10,12$...
$\bigcirc \bigcirc \bigcirc$
If I know.. then I also know... because.

Factors of $15=\{1,3,5,15\}$ Factors of $21=\{1,3,7,21\}$ 1 and 3 are common factors of 15 and 21
Multiples of 3 are $3,6,9,12$ Multiples of 4 are $4,8,12,16$ 12 is a common multiple of 3 and 4


Take away 1 then add 1 thousandth


## Year 5 Term 2

$63,452+19,999$ Round then adjust

| 10,000s | 1000s | 100 s | 10 s | 1 s |
| :---: | :---: | :---: | :---: | :---: |
| (1000) 3000 | (1000) (1000) | (10) (100) (10) 100 | (10) (10) | (1) 18 |
| (1000) 3000 |  |  | (10) (10) |  |
| (2000) 3000 |  |  | (10) |  |
| 1000) 3000 |  |  |  |  |

Add 20,000 then subtract 1


A square number is the result of multiplying a number by itself.

A cube number is the result of multiplying a whole number by itself, then by itself again.


Written methods

$$
\begin{array}{r}
25,648 \\
+\quad 42,524 \\
\hline 68,172 \\
\hline 1
\end{array}
$$

4, ${ }^{1} 5,{ }^{6} 7^{1} 48$
$\begin{array}{r}-26,374 \\ \hline 19,374 \\ \hline\end{array}$
25.648
$+$ $\frac{42.524}{\frac{68.172}{1}}$
$\begin{array}{r}-26.374 \\ \hline 19.374 \\ \hline\end{array}$


$$
\frac{64}{100}=0.64=64 \%
$$

$$
\frac{7}{100}=0.07=7 \%
$$

$$
\frac{1}{2}=\frac{50}{100}=0.5=50 \%
$$

$$
\frac{1}{4}=\frac{25}{100}=0.25=25 \%
$$

$$
\frac{1}{5}=\frac{20}{100}=0.2=20 \%
$$




$1 \mathrm{~m}=100 \mathrm{~cm}$ $13.6 \times 100=1360$ so $13.6 \mathrm{~m}=1360 \mathrm{~cm}$
$1 \mathrm{~cm}=10 \mathrm{~mm}$ $13.6 \times 10=136$ so $13.6 \mathrm{~cm}=136 \mathrm{~mm}$

$$
\begin{gathered}
1 \mathrm{~km}=1000 \mathrm{~m} \\
13.6 \times 1000=13600 \\
\text { so } 13.6 \mathrm{~km}=13,600 \mathrm{~m}
\end{gathered}
$$ to a smaller unit, multiply because there will be more of them



W

Missing width $=w=7+6=13 \mathrm{~cm}$ Missing height $=h=9-4=5 \mathrm{~cm}$

+ Perimeter
$=9+7+h+6+4+w$ $=44 \mathrm{~cm}$



$$
\begin{aligned}
& \frac{1}{5} \times 3=\frac{1}{5}+\frac{1}{5}+\frac{1}{5} \\
&=\frac{3}{5} \\
& \overbrace{0}^{1} \overbrace{0}^{\frac{1}{5}} \\
& \overbrace{0}^{2} \frac{1}{5} \\
& \frac{1}{5} \frac{2}{5} \\
& \frac{1}{5} \frac{3}{5} \\
& \hline
\end{aligned}
$$



$$
2 \frac{5}{9}+\frac{2}{3}=
$$



Add the fractions by finding a common denominator.


$$
\begin{aligned}
& 2 \frac{5}{9}+\frac{6}{9}=2 \frac{11}{9} \\
& \quad=3 \frac{2}{9}
\end{aligned}
$$

$$
1 \frac{1}{8} \times 3=
$$



How can I subtract $\frac{3}{4}$ ?


$$
\frac{3}{4}=\frac{6}{8}
$$

Find a common denominator.


$$
1 \frac{1}{8}-\frac{6}{8}=\frac{3}{8}
$$



Or on a number line.



A reflex angle is more than $180^{\circ}$ and less than $360^{\circ}$


The reflex angle is $360^{\circ}-40^{\circ}=320^{\circ}$


## Year 5 Term 6 然



E

Area of rectangle $=$ length $\times$ width

$$
=5 \times 4
$$

$$
=20 \mathrm{~cm}^{2}
$$



The volume is 7 cubes or $7 \mathrm{~cm}^{3}$


60 minutes $=1$ hour
so 240 minutes $=4$ hours


7 days = 1 week 35 days $=5$ weeks


Bus timetable

| Ashley | $09: 30$ | $11: 50$ | $16: 15$ |
| :--- | :---: | :---: | :--- |
| Barton | $10: 10$ | $12: 30$ | $17: 00$ |
| Calford | $10: 52$ | $13: 12$ | $17: 44$ |
| Digley | $11: 08$ | $13: 28$ | $18: 02$ |

The 11:50 bus from Ashley takes
1 hour and 22 minutes to reach Calford



[^0]:    Licensed to and for the exclusive use for School organisation_St Barnabas CE First and M iddle School

