

# Bus stop division

## BUS STOP DIVISION

$$142 \div 4 = 35.5$$

$$\begin{array}{r} 035.5 \\ 4 \overline{)142.0} \\ \underline{12} \phantom{0} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

r2  
 $2/4 = 1/2 = 0.5$

## Long multiplication – column method

Example  $216 \times 34$

To multiply by 34, multiply by 4, then by 30 and add the answers

$$\begin{array}{r} 216 \times \\ \phantom{216} 34 \\ \hline 864 \\ \phantom{864} 2 \\ \hline 6480 \\ \phantom{6480} 1 \\ \hline 7344 \\ \phantom{7344} 11 \end{array}$$

Multiplying by 4

$$\begin{aligned} 4 \times 6 &= 24 \\ 4 \times 1 &= 4 \quad 4 + 2 = 6 \\ 4 \times 2 &= 8 \end{aligned}$$

To multiply by 30, put the 0 in the units column, then multiply by 3

$$\begin{aligned} 3 \times 6 &= 18 \\ 3 \times 1 &= 3 \quad 3 + 1 = 4 \end{aligned}$$

$$3 \times 2 = 6$$

Then add

$$216 \times 34 = 7344$$

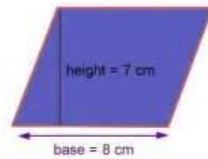
# Half

# Term 2

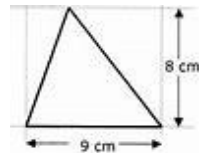
## Area of Parallelogram

The area of a Parallelogram equals the base times the height.

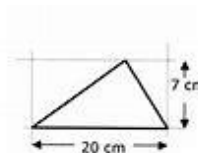
$$A = b \times h$$



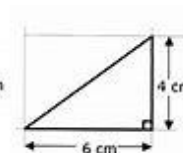
$$\begin{aligned} A &= b \times h \\ A &= 8 \times 7 \\ A &= 56 \text{ cm}^2 \end{aligned}$$



$$\begin{aligned} \text{Area} &= \frac{9 \times 8}{2} \\ &= \frac{72}{2} \\ &= 36 \text{ cm}^2 \end{aligned}$$



$$\begin{aligned} \text{Area} &= \frac{20 \times 7}{2} \\ &= \frac{140}{2} \\ &= 70 \text{ cm}^2 \end{aligned}$$



$$\begin{aligned} \text{Area} &= \frac{6 \times 4}{2} \\ &= \frac{24}{2} \\ &= 12 \text{ cm}^2 \end{aligned}$$

54

6

9

2

3

3

3

$$54 = 2 \times 3 \times 3 \times 3$$

## Finding the MEAN (Mathematically Evaluated Average Number)

We add up all the items, then divide by how many items we have. Mean = Total / How Many

**Example 1.** Two dice were thrown 10 times. For each throw their scores were added together and recorded. Find the **mean** and **range** for this data.

7, 5, 2, 7, 6, 12, 10, 4, 8, 9

$$\begin{aligned} \text{Mean} &= \frac{7 + 5 + 2 + 7 + 6 + 12 + 10 + 4 + 8 + 9}{10} \\ &= \frac{70}{10} = 7 \end{aligned}$$

$$(\text{Range} = \text{Max} - \text{Min} = 12 - 2 = 10)$$



$$\begin{array}{r} 91 \\ \times 64 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times 39 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ \times 79 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 84 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ \times 51 \\ \hline \end{array}$$

$$9 \overline{)927}$$

$$3 \overline{)411}$$

$$9 \overline{)981}$$

$$6 \overline{)924}$$

$$3 \overline{)537}$$

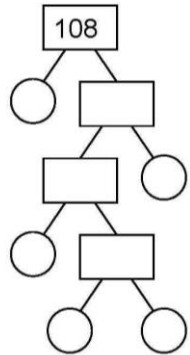
$$6 \overline{)702}$$

$$5 \overline{)575}$$

$$3 \overline{)417}$$

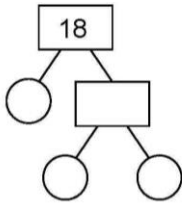
## Half Term 2

1)



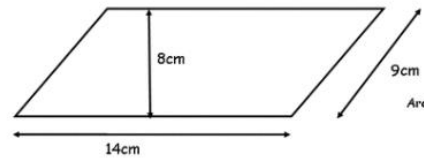
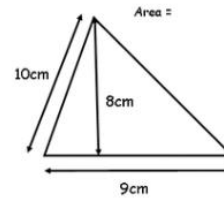
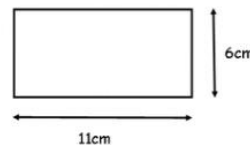
Prime Factors  
 $\_ \times \_ \times \_ \times \_ \times \_ = 108$

2)



Prime Factors  
 $\_ \times \_ \times \_ = 18$

Area =



Area =

50, 50, 70, 73, 82

Enter the mean:

43, 47, 47, 56, 77

Enter the mean:

40, 52, 69, 69, 75

Enter the mean:

55, 57, 57, 68, 78

Enter the mean:

38, 49, 52, 73, 73

Enter the mean:

35, 40, 41, 41, 53

Enter the mean: