

Column Multiplication

$$123 \times 5$$

1st Step

$$\begin{array}{r} 123 \\ \times 5 \\ \hline 5 \\ \hline 1 \end{array}$$

2nd Step

$$\begin{array}{r} 123 \\ \times 5 \\ \hline 15 \\ \hline 11 \end{array}$$

3rd Step

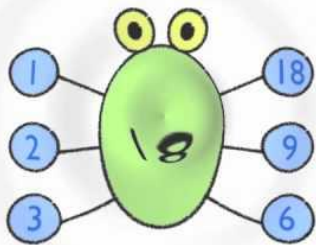
$$\begin{array}{r} 123 \\ \times 5 \\ \hline 615 \\ \hline 11 \end{array}$$

Bus stop division

$$\begin{array}{r} 045 \\ 8 \overline{) 360} \\ \underline{24} \\ 120 \\ \underline{120} \\ 0 \end{array}$$

Factors

Find the factors of 18

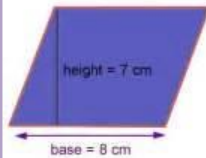


The factors of 18 are 1, 2, 3, 6, 9 and 18

Area of Parallelogram

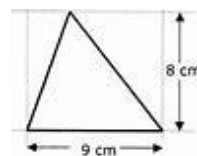
The area of a Parallelogram equals the base times the height.

$$A = b \times h$$

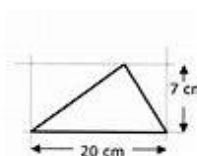


$$\begin{aligned} A &= b \times h \\ A &= 8 \times 7 \\ A &= 56 \text{ cm}^2 \end{aligned}$$

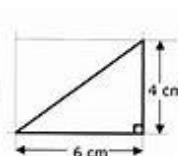
Half
Term 2



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



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



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

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

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

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



Column Multiplication

$$\begin{array}{r} \text{a) } 29 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 68 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c) } 57 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d) } 98 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 79 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f) } 94 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g) } 71 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h) } 92 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i) } 85 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j) } 65 \\ \times 5 \\ \hline \end{array}$$

Bus stop division

$$9 \overline{)927}$$

$$3 \overline{)411}$$

$$9 \overline{)981}$$

$$6 \overline{)924}$$

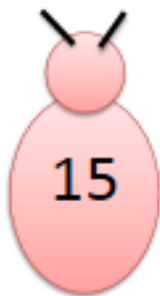
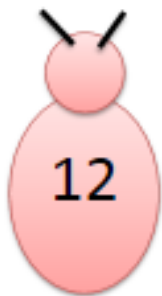
$$3 \overline{)537}$$

$$6 \overline{)702}$$

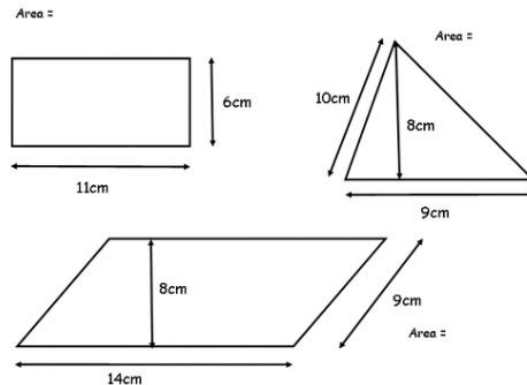
$$5 \overline{)575}$$

$$3 \overline{)417}$$

Factors



Half Term 2



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: