

Working Towards Mastery in Maths:

- Reasoning
- Fluency
- Problem-solving

Arithmetic a huge focus of the new (2014)

Maths curriculum

- Its own paper (36 questions)
- No calculator paper so **all** problems need to be solved with written methods
- Increased emphasis on fractions (Nearly a quarter of the 36 questions on the sample paper for arithmetic feature fractions).

Addition

$$\frac{1}{9} + \frac{4}{9} =$$

$$\frac{3}{4} + \frac{7}{8} =$$

$$5,756 + 8,643 =$$

Subtraction

$$15.4 - 8.88 =$$

$$234,897 - 45,996 =$$

$$1\frac{1}{5} - \frac{1}{4} =$$

Multiplication

The grid contains the following content:

$$\begin{array}{r} 54 \\ \times 23 \\ \hline \end{array}$$

A large empty rectangular box is located in the bottom right corner of the grid, spanning approximately 10 columns and 4 rows.

Multiplication

$$\frac{1}{4} \times \frac{1}{8} =$$

$$17 \times 1\frac{1}{2} =$$

Division

$$7,505 \div 5 =$$

$$\frac{2}{5} \div 2 =$$

$$\frac{3}{4} \div 2 =$$

Order of operations

$$20 - 4 \times 2 =$$

Problem-Solving

7

16

Large pizzas cost £8.50 each.

Small pizzas cost £6.75 each.

Five children together buy one large pizza and three small pizzas.

They share the cost equally.

How much does each child pay?

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Award **TWO** marks for the correct answer of £5.75

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- $\text{£}6.75 \times 3 = \text{£}20.25$
 $\text{£}20.25 + \text{£}8.50 = \text{£}28.75$
 $\text{£}28.75 \div 5$

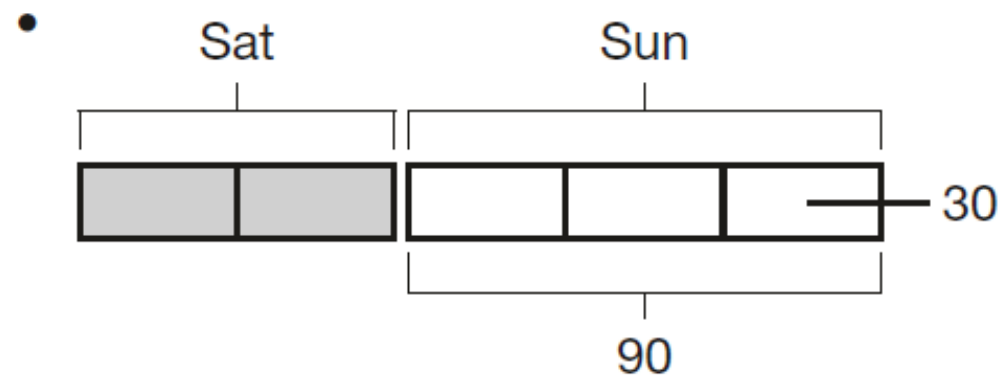
20

Award **TWO** marks for the correct answer of 150 pages.

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.


- $\frac{3}{5} = 90$
 $9 \div 3 = 30$
 30×5

OR



30×5

Y6 SATS

 <https://www.gov.uk/guidance/scaled-scores>



