

KS3 – Four Operations

Section A – Addition

Q1 (3 marks)

Work out.

a) $347 + 521$

b) $2,608 + 1,375$

c) $14,326 + 7,259$

Q2 (3 marks)

Work out.

a) $5.7 + 3.8$

b) $12.46 + 7.9$

c) $0.638 + 2.47$

Q3 (2 marks)

Work out.

a) $1,847 + 2,956 + 738$

b) $12,045 + 869 + 3,726$

Q4 (2 marks)

A school has 1,438 students in Year 7 and Year 8 combined. There are 729 students in Year 9 and Year 10 combined.

How many students are there altogether?

Challenge

Q5 (2 marks)

Complete the missing numbers.

a) $3,750 + \underline{\hspace{2cm}} = 6,200$

b) $\underline{\hspace{2cm}} + 4,685 = 10,000$

Section B – Subtraction

Q6 (3 marks)

Work out.

a) $850 - 327$

b) $3,004 - 1,687$

c) $12,000 - 4,576$

Q7 (3 marks)

Work out.

a) $9.4 - 3.7$

b) $15.02 - 6.85$

c) $10 - 3.476$

Q8 (2 marks)

Work out.

a) $7,205 - 1,847$

b) $10,000 - 3,658$

Q9 (2 marks)

A stadium has 12,500 seats. For a match, 9,847 seats are occupied.

How many seats are empty?

Challenge

Q10 (2 marks)

A shop starts the week with 8,250 items in stock.

During the week, 3,675 items are sold and 1,480 new items are delivered.

How many items are in stock at the end of the week?

Section C – Multiplication

Q11 (3 marks)

Work out.

a) 34×6

b) 127×8

c) 246×7

Q12 (3 marks)

Work out.

a) 43×26

b) 125×34

c) 307×48

Q13 (3 marks)

Work out.

a) 3.6×7

b) 2.45×6

c) 0.84×25

Q14 (2 marks)

A cinema has 24 rows of seats. There are 36 seats in each row.

How many seats are there altogether?

Challenge

Q15 (2 marks)

A factory packs 48 bottles into each box.

It fills 125 boxes.

How many bottles are packed altogether?

Section D – Division

Q16 (3 marks)

Work out.

a) $672 \div 8$

b) $936 \div 12$

c) $1,449 \div 7$

Q17 (3 marks)

Work out.

a) $845 \div 5$

b) $1,728 \div 12$

c) $4,095 \div 15$

Q18 (3 marks)

Work out.

a) $48.6 \div 6$

b) $7.35 \div 5$

c) $12.6 \div 0.3$

Q19 (2 marks)

1,764 books are shared equally between 14 classes.

How many books does each class receive?

Challenge

Q20 (2 marks)

A coach can carry 52 passengers.

There are 378 people going on a trip.

What is the minimum number of coaches needed to carry everyone?

Section E – BIDMAS

Q21 (3 marks)

Work out.

a) $7 + 3 \times 5$

b) $(7 + 3) \times 5$

c) $24 \div 6 + 8$

Q22 (3 marks)

Work out.

a) $18 - 4 \times 3 + 2$

b) $36 \div (3 + 3) \times 2$

c) $5 + 24 \div 3 - 2 \times 4$

Q23 (3 marks)

Work out.

a) $(14 - 6) \times 3 + 5$

b) $60 \div (8 - 3) + 7$

c) $4 \times (9 - 5) + 18 \div 3$

Challenge

Q24 (2 marks)

Insert one pair of brackets into each calculation to make the answer shown.

a) $5 + 3 \times 4 = 32$

b) $18 - 6 \div 3 = 4$

Q25 (2 marks)

Sam works out:

$$20 - 4 \times 3$$

He says the answer is 48 because $20 - 4 = 16$ and $16 \times 3 = 48$.

Explain Sam's mistake and work out the correct answer.

Total: ____ / 58
Percentage: ____%