

Year 5 Spring 2 Maths Activity Mat 5

Section 1

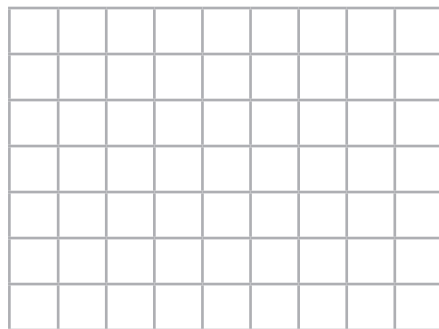
Write these Roman Numerals as numbers.

XXIV →

LXXVIII →

Section 2

Draw a square to represent the number 36.



Section 3

Calculate:

$$\begin{array}{r} 167 \\ \times 3 \\ \hline \end{array}$$

$$4 \overline{) 184}$$

Section 4

Calculate:

$$\frac{2}{5} + \frac{2}{5} = \boxed{}$$

$$\frac{5}{6} - \frac{1}{6} = \boxed{}$$

Section 5

Write the following decimals as fractions:

0.5 →

0.75 →

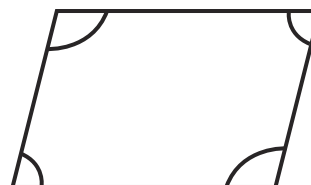
0.1 →

Section 6

One gallon of petrol is approximately 4.5l. How many litres is equivalent to two gallons?

Section 7

Label the internal angles of this parallelogram:



Section 8

Here is the High Peak Steam Railway timetable.

Rowsley (depart)	13:28
Darley Dale (arrive)	13:33
Darley Dale (depart)	13:35
Matlock (arrive)	13:50
Matlock (depart)	14:00
Darley Dale (arrive)	14:15
Darley Dale (depart)	14:17
Rowsley	14:22

How long is the journey from start to finish?

The long does the train wait at Matlock?



Year 5 Spring 2 Maths Activity Mat 5 **Answers**

Section 1

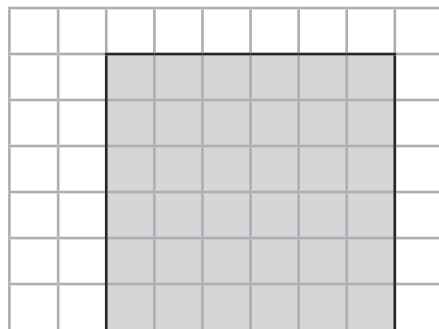
Write these Roman Numerals as numbers.

XXIV → **24**

LXXVIII → **78**

Section 2

Draw a square to represent the number 36.



Section 3

Calculate:

$$\begin{array}{r} 167 \\ \times 3 \\ \hline 501 \end{array}$$

$$\begin{array}{r} 046 \\ 4 \overline{) 11824} \end{array}$$

Section 4

Calculate:

$$\frac{2}{5} + \frac{2}{5} = \frac{4}{5}$$

$$\frac{5}{6} - \frac{1}{6} = \frac{4}{6} \text{ or } \frac{2}{3}$$

Section 5

Write the following decimals as fractions:

0.5 → **$\frac{1}{2}$ or $\frac{5}{10}$**

0.75 → **$\frac{3}{4}$ or $\frac{75}{100}$**

0.1 → **$\frac{1}{10}$**

Section 6

One gallon of petrol is approximately 4.5l. How many litres is equivalent to two gallons?

9l

Section 7

Label the internal angles of this parallelogram:

2 acute and 2 obtuse.

Section 8

Here is the High Peak Steam Railway timetable.

Rowsley (depart)	13:28
Darley Dale (arrive)	13:33
Darley Dale (depart)	13:35
Matlock (arrive)	13:50
Matlock (depart)	14:00
Darley Dale (arrive)	14:15
Darley Dale (depart)	14:17
Rowsley	14:22

How long is the journey from start to finish?

54 minutes

The long does the train wait at Matlock?

10 minutes

Year 5 Spring 2 Maths Activity Mat 5

Section 1

Write these Roman Numerals as numbers.

CCXLIII →

MCC →

Section 2

Write the two-digit square number where the one digit is double the tens digit.

Section 3

Calculate:

$$\begin{array}{r} 902 \\ \times 14 \\ \hline 3608 \\ 9020 \\ \hline \end{array}$$

$$8 \overline{) 5824}$$

Section 4

Calculate:

$$\frac{3}{4} + \frac{1}{8} = \boxed{}$$

$$\frac{5}{6} - \frac{2}{3} = \boxed{}$$

Section 5

Write the following percentages as fractions:

40% →

25% →

85% →

Section 6

One gallon of petrol is approximately 4.5l. Helen fills her car with 50 litres. How many gallons has she put in her car, to the nearest gallon?

Section 7

Draw a quadrilateral with two obtuse angles and two acute angles, with at least one pair of parallel sides. Label the internal angles.

Section 8

Here is the High Peak Steam Railway timetable.

Rowsley (depart)	13:28
Darley Dale (arrive)	13:33
Darley Dale (depart)	13:35
Matlock (arrive)	13:50
Matlock (depart)	14:00
Darley Dale (arrive)	14:15
Darley Dale (depart)	14:17
Rowsley	14:22

How much travelling time is there on the complete journey?



Year 5 Spring 2 Maths Activity Mat 5 **Answers**

Section 1

Write these Roman Numerals as numbers.

CCXLIII → **243**

MCC → **1200**

Section 2

Write the two-digit square number where the one digit is double the tens digit.

36

Section 3

Calculate:

$$\begin{array}{r} 902 \\ \times 14 \\ \hline 3608 \\ 9020 \\ \hline 12628 \end{array}$$

$$\begin{array}{r} 0728 \\ 8 \overline{) 5582264} \end{array}$$

Section 4

Calculate:

$$\frac{3}{4} + \frac{1}{8} = \frac{7}{8}$$

$$\frac{5}{6} - \frac{2}{3} = \frac{1}{6}$$

Section 5

Write the following percentages as fractions:

40% → $\frac{2}{5}$ or $\frac{4}{10}$ or $\frac{40}{100}$

25% → $\frac{1}{4}$ or $\frac{25}{100}$

85% → $\frac{17}{20}$ or $\frac{85}{100}$

Section 6

One gallon of petrol is approximately 4.5l. Helen fills her car with 50 litres. How many gallons has she put in her car, to the nearest gallon?

11 gallons

Section 7

Draw a quadrilateral with two obtuse angles and two acute angles, with at least one pair of parallel sides. Label the internal angles.

Parallelogram or trapezium drawn, labeling the internal angles acute or obtuse.

Section 8

Here is the High Peak Steam Railway timetable.

Rowsley (depart)	13:28
Darley Dale (arrive)	13:33
Darley Dale (depart)	13:35
Matlock (arrive)	13:50
Matlock (depart)	14:00
Darley Dale (arrive)	14:15
Darley Dale (depart)	14:17
Rowsley	14:22

How much travelling time is there on the complete journey?

40 minutes

Year 5 Spring 2 Maths Activity Mat 5

Section 1

Write the following in Roman Numerals

1701 →

2020 →

Section 2

Which two-digit square number has the smallest difference between the two digits?

Section 3

Complete these calculations:

$$\begin{array}{r} 3 \square 1 \\ \times 2 \square \\ \hline \square 6 6 7 \end{array}$$

$$\begin{array}{r} 20 \square \\ 1 \square 3 \square 3 6 \end{array}$$

Section 4

Calculate, writing your answer in the lowest form possible.

$$\frac{1}{4} + \frac{11}{16} = \square$$

$$\frac{11}{20} - \frac{2}{5} = \square$$

Section 5

Write the following percentages as fractions, writing the fraction in its lowest possible form:

15% →

75% →

37.5% →

Section 6

One gallon of petrol is approximately 4.5l. Helen fills her car with 63 litres. How many gallons has she put in her car?

Section 7

What is the maximum number of acute, right and obtuse angles in a quadrilateral?

Maximum number of acute angles:

Maximum number of right angles:

Maximum number of obtuse angles:

Section 8

Here is the High Peak Steam Railway timetable.

Rowsley (depart)	13:28	14:42
Darley Dale (arrive)	13:33	
Darley Dale (depart)	13:35	
Matlock (arrive)	13:50	
Matlock (depart)	14:00	
Darley Dale (arrive)	14:15	
Darley Dale (depart)	14:17	
Rowsley	14:22	

The 14:42 runs to the same schedule as the 13:28. Complete the timetable.

Year 5 Spring 2 Maths Activity Mat 5 **Answers**

Section 1

Write the following in Roman Numerals

1701 →

MDCCI

2020 →

MMXX

Section 2

Which two-digit square number has the smallest difference between the two digits?

64

Section 3

Complete these calculations:

$$\begin{array}{r} 3 \overline{) 21} \\ \underline{20} \\ 1 \end{array} \times \begin{array}{r} 2 \overline{) 7} \\ \underline{6} \\ 1 \end{array}$$

$$\begin{array}{r} 2 \overline{) 8} \\ \underline{17} \\ 3 \overline{) 5} \\ \underline{3} \\ 2 \overline{) 0} \\ \underline{0} \\ 8 \end{array}$$

Section 4

Calculate, writing your answer in the lowest form possible.

$$\frac{1}{4} + \frac{11}{16} = \frac{15}{16}$$

$$\frac{11}{20} - \frac{2}{5} = \frac{3}{20}$$

Section 5

Write the following percentages as fractions, writing the fraction in its lowest possible form:

15% →

$\frac{3}{20}$

75% →

$\frac{3}{4}$

37.5% →

$\frac{3}{8}$

Section 6

One gallon of petrol is approximately 4.5l. Helen fills her car with 63 litres. How many gallons has she put in her car?

14 gallons

Section 7

What is the maximum number of acute, right and obtuse angles in a quadrilateral?

Maximum number of acute angles:

3

Maximum number of right angles:

4

Maximum number of obtuse angles:

3

Section 8

Here is the High Peak Steam Railway timetable.

Rowsley (depart)	13:28	14:42
Darley Dale (arrive)	13:33	14:47
Darley Dale (depart)	13:35	14:49
Matlock (arrive)	13:50	15:04
Matlock (depart)	14:00	15:14
Darley Dale (arrive)	14:15	15:29
Darley Dale (depart)	14:17	15:31
Rowsley	14:22	15:36

The 14:42 runs to the same schedule as the 13:28. Complete the timetable.