

Year 5 Maths Activity Mat

Section 1

Order these numbers from smallest to largest:
576 094, 567 094, 576 904, 567 904

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|



Section 5

Draw lines to show which fractions, decimals and percentages match.

| | | |
|-----------------|-----|------|
| $\frac{7}{10}$ | 40% | 0.01 |
| $\frac{2}{5}$ | 1% | 0.7 |
| $\frac{1}{100}$ | 70% | 0.4 |

Section 6

Complete these calculations:

$$6396 \div 3 = \boxed{}$$

$$1333 \times 2 = \boxed{}$$

Section 2

Round these numbers to the nearest 100 000:

| | | |
|---------|---|---|
| 367 562 | → | <input style="width: 80px; height: 40px;" type="text"/> |
| 453 378 | → | <input style="width: 80px; height: 40px;" type="text"/> |

Section 3

Use these signs < or > to show which number is greater than or less than.

| | | |
|--------|---|--------|
| 48 701 | <input style="width: 30px; height: 30px;" type="text"/> | 48 710 |
| 81 010 | <input style="width: 30px; height: 30px;" type="text"/> | 80 999 |

Section 7

A shop assistant sold £845 worth of perfume. This was £258 more than yesterday. How much did she sell yesterday?

Section 8

Write these Roman numerals as digits:

| | |
|----------|---|
| CCLXVI | <input style="width: 80px; height: 40px;" type="text"/> |
| CCCLXXIV | <input style="width: 80px; height: 40px;" type="text"/> |



Section 4

Convert these measurements in litres to millilitres:

| | |
|----------|---|
| 12.43l = | <input style="width: 80px; height: 40px;" type="text"/> |
| 6.8l = | <input style="width: 80px; height: 40px;" type="text"/> |



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Section 1

In the number 576 213, which digit represents the number of ten thousands?

In the number 923 648, what place value does the digit '3' represent?

Section 2

Calculate the following in your head:

$56 + 67 =$

$48 + 36 =$

$72 - 26 =$

$91 - 67 =$

Section 3

Calculate:

$4.3 \times 100 =$

$5.61 \times 100 =$

$912 \div 100 =$

$6002 \div 100 =$

Section 4

Use the < or > signs to compare these fractions:

| | | |
|-----------------|--|----------------|
| $\frac{2}{3}$ | | $\frac{4}{6}$ |
| $\frac{1}{4}$ | | $\frac{3}{16}$ |
| $\frac{17}{20}$ | | $\frac{4}{5}$ |

Section 5

In order from smallest to largest, write the following numbers in digits:

four point seven two

four point seven

forty point six nine

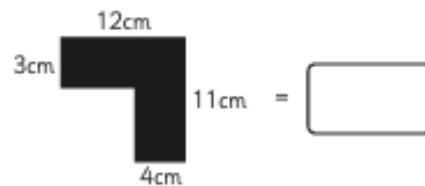
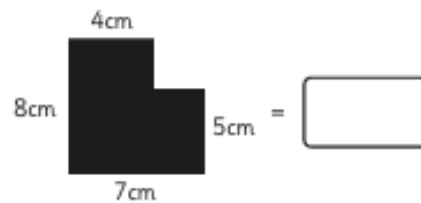
| | | |
|--|--|--|
| | | |
|--|--|--|

smallest

largest

Section 6

Calculate the perimeter of these composite rectilinear shapes.



Section 7

Explain why this shape is regular.



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Explain why this shape is irregular.



.....

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Section 8

Here is a table showing the number of boys and girls in each year group.

| | Y3 | Y4 | Y5 | Y6 | Total |
|-------|----|----|----|----|-------|
| Boys | | | 45 | | 179 |
| Girls | 47 | 37 | | 39 | |
| Total | | 89 | 89 | 87 | |

Complete the table.

Year 5 Maths Activity Mat

Section 1

Complete these linear sequences:

| | | | | |
|------|------|--|--|--|
| 4562 | 5562 | | | |
|------|------|--|--|--|

| | | | | |
|--------|--------|--|--|--|
| 41 786 | 40 786 | | | |
|--------|--------|--|--|--|

| | | | | |
|--------|--------|--|--|--|
| 77 309 | 87 309 | | | |
|--------|--------|--|--|--|

| | | | | |
|---------|---------|--|--|--|
| 622 792 | 612 792 | | | |
|---------|---------|--|--|--|

Section 2

Put the numbers from 1 to 20 on this Carroll Diagram:

| | | |
|-------------|--------------|--------------------|
| | Prime Number | Not a Prime Number |
| Even number | | |
| Odd number | | |

Section 3

Calculate:

$40 \times 6 =$

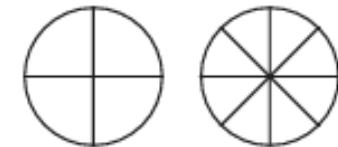
$7 \times 50 =$

$80 \times 30 =$

$1200 \times 11 =$

Section 4

Shade the following circles so the same fraction is shaded in both and write the fraction that they represent:



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Section 5

Round the following numbers to the nearest whole number and nearest tenth:

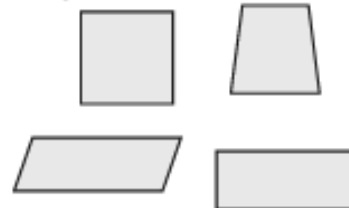
| Number | Nearest whole | Nearest tenth |
|--------|---------------|---------------|
| 16.45 | | |
| 1.06 | | |
| 2.98 | | |
| 67.59 | | |

Section 6

A bus journey starts at 16:13 and finishes at 18:05. How long is the journey?

Section 7

For each of the following shapes, explain why they are or are not a rectangle.



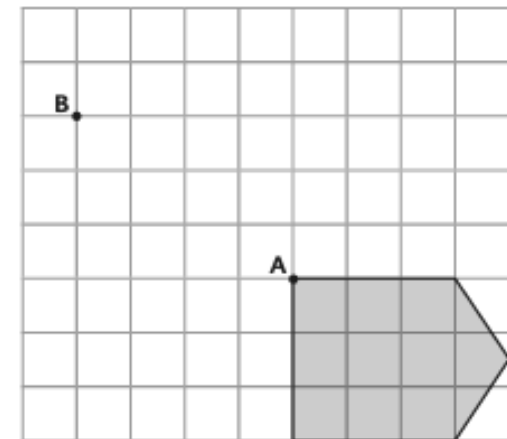
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Section 8

Translate this shape from point A to point B:



Year 5 Maths Activity Mat

Section 1

The temperature is 4°C at 9pm. By 6am the following morning, the temperature has fallen by 9°C. What is the temperature now?

Section 2

The new Wembley Stadium has 90 000 seats. When the stadium is 75% full, what is the attendance to the nearest 1000.

Section 3

Complete these calculations:

$$\begin{array}{r} 4 \square 2 \\ + \square 6 9 \\ \hline 8 5 \square \end{array}$$

$$\begin{array}{r} 7 \square 5 \\ - 3 7 \square \\ \hline \square \square 5 8 \end{array}$$

Section 4

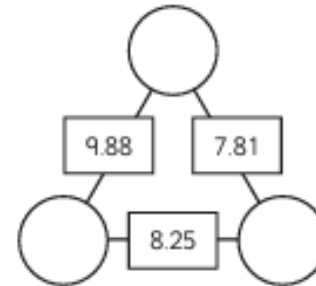
Order the following fractions from smallest to largest:

$$\frac{3}{4} \quad \frac{11}{12} \quad \frac{7}{8} \quad \frac{13}{16}$$

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

Section 5

Place three of the following numbers in the circles so the number in the square is the total of the numbers in the adjacent circles: 6.23, 4.72, 3.09, 7.26, 5.16, 2.69



Section 6

1 inch = 2.54 cm

1 foot = 12 inches

How many centimetres in 1 foot?

Section 7

Write the name of these shapes:



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Section 8

Children measure the temperature in the playground on each hour.

| Time | Temperature |
|------|-------------|
| 9am | -1 |
| 10am | 2 |
| 11am | 5 |
| 12pm | 7 |
| 1pm | 8 |

When is the highest temperature?

How much does the temperature rise between 9am and 12pm?

Year 5 Maths Activity Mat

Section 1

Write these Roman Numerals as numbers:

CCIX →

DCLXXVII →

Section 2

Write all the square numbers from 1 x 1 to 12 x 12.

Section 3

Use a formal written method to work out these calculations:

$$216 \times 14$$

$$954 \div 6$$

Section 4

Calculate:

$$\frac{2}{3} + \frac{1}{6} =$$

$$\frac{7}{10} - \frac{3}{5} =$$

Section 6

A plastic box weighs 25g and six cricket balls weigh 300g. How much do three plastic boxes, each with six cricket balls, weigh in kilograms?

Section 8

Here is a bus timetable:

| | | | |
|--------------|-------|-------|-------|
| Jordanthorpe | 07:19 | 07:31 | 07:43 |
| Nether Edge | 07:48 | 08:00 | 08:12 |
| Sheffield | 08:06 | 08:18 | 08:30 |
| Pitsmoor | 08:20 | 08:32 | 08:44 |
| Shiregreen | 08:40 | 08:52 | 09:04 |

Do all the buses take the same time for each journey from Jordanthorpe to Shiregreen?

Jan needs to arrive in Sheffield by quarter past eight. Which bus should he catch from Nether Edge?

Section 5

Draw lines to match the following:

$$\frac{53}{100} \quad 13\%$$

$$\frac{13}{100} \quad 53\%$$

$$\frac{79}{100} \quad 79\%$$

Section 7

Write acute, obtuse or reflex underneath each angle:



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