

Year 5 Maths Activity Mat

2

Section 1

Circle the numbers where the ten thousands digit is a factor of the sum of the hundreds, tens and ones digit.

254 271 892 136

935 672 744 282

Now write three of your own that meet the criterion.

Section 2

The sum of three 2-digit numbers is 50 more than the sum of three other 2-digit numbers.

What could the numbers be?

Section 3

Calculate:

$$0.45 \times 1000 = \boxed{}$$

$$17.69 \times 1000 = \boxed{}$$

$$219 \div 1000 = \boxed{}$$

$$3304 \div 1000 = \boxed{}$$

Section 4

Insert the correct symbol to make this number sentence correct. $<$, $>$ or $=$

$\frac{4}{5}$		$\frac{80}{100}$
$\frac{1}{6}$		$\frac{5}{36}$
$\frac{9}{10}$		$\frac{8}{9}$

Section 5

Match the following numerals to the equivalent written number.

forty point one four 14.141

fourteen point one four one 40.401

forty point four zero one 40.14

Section 6

Kay has three empty bottles. She has a 2-litre bottle of water. She pours the 2-litre bottle into the 3 empty bottles so that: the second bottle contains twice the amount of water as the first bottle; the third bottle contains a third the amount of water as the first bottle. How much water does each bottle contain in millilitres?

First bottle:

Second bottle:

Third bottle:

Section 7

Draw an irregular pentagon to include at least one angle of 72° .

Section 8

Here is a table showing the number of vehicles that passed a school in one day.

Vehicle	Number
Car	156
Bus	23
Lorry	17
Van	29

Estimate the number of people who passed the school in the vehicles during the day. Explain your answer.

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Answers

Section 1

Circle the numbers where the ten thousands digit is a factor of the sum of the hundreds, tens and ones digit.

254 271 892 136
 935 672 744 282

Now write three of your own that meet the criterion.

254 271, 935 672 and 744 282

Open ended – various answers

Section 2

The sum of three 2-digit numbers is 50 more than the sum of three other 2-digit numbers.

What could the numbers be?

Open ended:

e.g.
 $(35 + 23 + 98) - (25 + 13 + 68)$

Section 3

Calculate:

$$0.45 \times 1000 = 450$$

$$17.69 \times 1000 = 17\,690$$

$$219 \div 1000 = 0.219$$

$$3304 \div 1000 = 3.304$$

Section 4

Insert the correct symbol to make this number sentence correct. $<$, $>$ or $=$

$\frac{4}{5}$	$=$	$\frac{80}{100}$
$\frac{1}{6}$	$>$	$\frac{5}{36}$
$\frac{9}{10}$	$>$	$\frac{8}{9}$

Section 5

Match the following numerals to the equivalent written number.

forty point one four 14.141
 fourteen point one four one 40.401
 forty point four zero one 40.14

Section 6

Kay has three empty bottles. She has a 2-litre bottle of water. She pours the 2-litre bottle into the 3 empty bottles so that: the second bottle contains twice the amount of water as the first bottle; the third bottle contains a third the amount of water as the first bottle. How much water does each bottle contain in millilitres?

First bottle: 600ml

Second bottle: 1200ml

Third bottle: 200ml

Section 7

Draw an irregular pentagon to include at least one angle of 72° .

Various answers - must include an angle of 72° .

Section 8

Children should make a sensible estimate of the average number of people in each vehicle and calculate the answer correctly from their estimate.

e.g.

Car – 2 people = 312

Bus – 20 people = 460

Lorry – 1 person = 17

Van – 2 people = 58

Total = 847