

Year 5 Autumn 2 Maths Activity Mat 6

Section 1

I am a 2-digit number.

I am odd.

I have six less tens than ones.

The sum of my digits is 8.

What am I?

Section 2

Write the factor pairs of 12.

Write the common factors of 5 and 20.

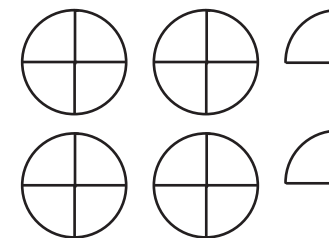
Section 3

T-shirts are put into packs of 4. How many packs will be made from 132 T-shirts?

Section 4

Use this visual representation to calculate:

$$2\frac{1}{4} \times 2 =$$



Section 5

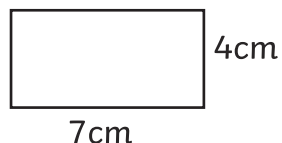
Write the following fractions as percentages:

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

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

Section 6

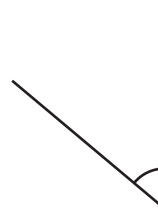
What is the area of this rectangle?



(Not to scale.)

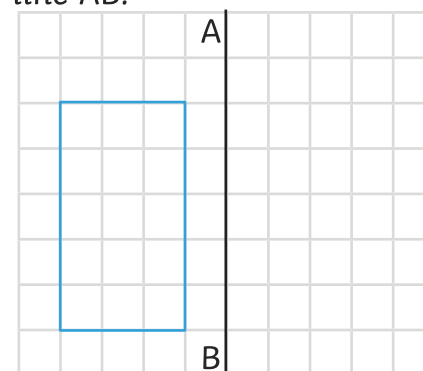
Section 7

Measure this angle:



Section 8

Reflect this shape about the line AB.



Year 5 Autumn 2 Maths Activity Mat 6 **Answers**

Section 1

I am a 2-digit number.

I am odd.

I have six less tens than ones.

The sum of my digits is 8.

What am I?

17

Section 2

Write the factor pairs of 12.

1 x 12, 2 x 6, 3 x 4

Write the common factors of 5 and 20.

1, 5

Section 3

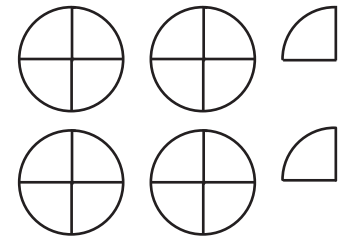
T-shirts are put into packs of 4.
How many packs will be made from 132 T-shirts?

**33
packs**

Section 4

Use this visual representation to calculate:

$$2\frac{1}{4} \times 2 = 4\frac{1}{2}$$



Section 5

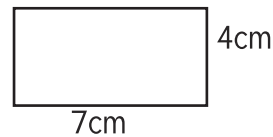
Write the following fractions as percentages:

$$\frac{1}{2} = \mathbf{50\%}$$

$$\frac{1}{4} = \mathbf{25\%}$$

Section 6

What is the area of this rectangle?



(Not to scale.)

28cm²

Section 7

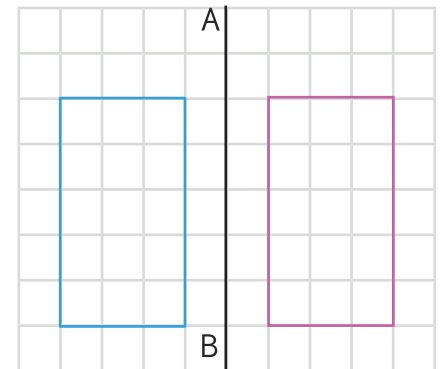
Measure this angle:



50°

Section 8

Reflect this shape about the line AB.



Year 5 Autumn 2 Maths Activity Mat 6

Section 1

I am a 3-digit odd number.

I have the five less hundreds than ones.

I have twice as many hundreds as tens.

The sum of my digits is 10.

What am I?

Section 2

Write the factor pairs of 30.

Write the common factors of 8 and 36.

Section 3

T-shirts are put into packs of 4. A box contains 16 packs. How many boxes will be made from 704 T-shirts?

Section 4

Calculate:

$$1\frac{3}{4} \times 3 =$$

Section 5

Match the following:

$$\frac{1}{4} \quad 75\%$$

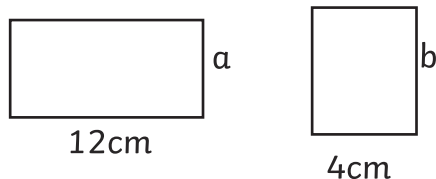
$$\frac{3}{4} \quad 20\%$$

$$\frac{1}{5} \quad 25\%$$

Section 6

The area of each of these rectangles is 36cm^2 .

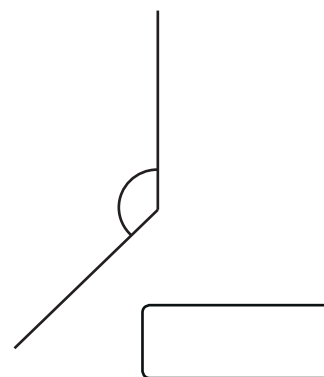
What is the length of the missing sides in each?



a = b =

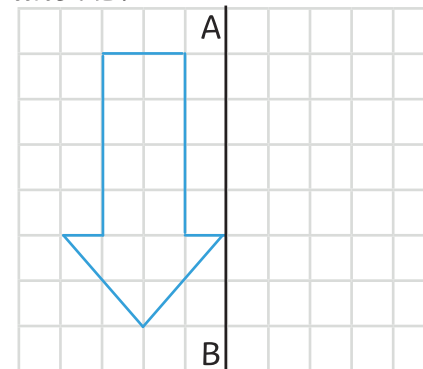
Section 7

Measure this angle:



Section 8

Reflect this shape about the line AB.



Year 5 Autumn 2 Maths Activity Mat 6 **Answers**

Section 1

I am a 3-digit odd number.

I have the five less hundreds than ones.

I have twice as many hundreds as tens.

The sum of my digits is 10.

What am I?

217

Section 2

Write the factor pairs of 30.

1 x 30, 2 x 15, 3 x 10, 5 x 6

Write the common factors of 8 and 36.

1, 2, 4

Section 3

T-shirts are put into packs of 4.
A box contains 16 packs. How many boxes will be made from 704 T-shirts?

11 boxes

Section 4

Calculate:

$$1\frac{3}{4} \times 3 = 5\frac{1}{4}$$

Section 5

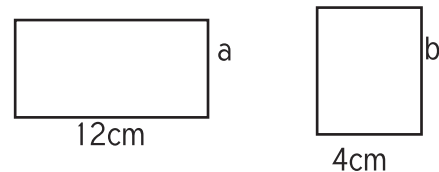
Match the following:

$\frac{1}{4}$	~~75%~~
$\frac{3}{4}$	~~20%~~
$\frac{1}{5}$	~~25%~~

Section 6

The area of each of these rectangles is 36cm^2 .

What is the length of the missing sides in each?



a = 3cm

b = 9cm

Section 7

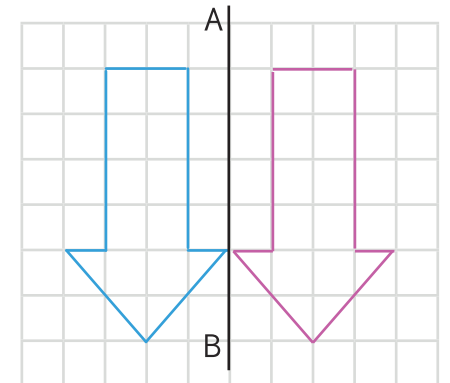
Measure this angle:



134°

Section 8

Reflect this shape about the line AB.



Year 5 Autumn 2 Maths Activity Mat 6

Section 1

I am a 3-digit even number.
Two of my digit are square numbers.

The digits decrease from hundreds to ones.

The smallest digit is a 4.

The digits all add up to 20.

What am I?

Section 2

Write the factor pairs of 54.

Write the common factors of 32 and 88.

Section 3

T-shirts are put into packs of 4. A box contains 16 packs. A manufacturer produces 1321 T-shirts in one day. After filling boxes, how many packs of T-shirts can be made from the rest of the T-shirts, and how many T-shirts will be left over?

Section 4

Calculate:

$$\frac{9}{5} \times 4 =$$

Write the answer as a mixed number.

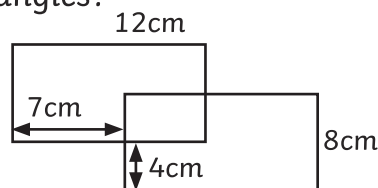
Section 5

Match the following:

$\frac{2}{5}$	70%
$\frac{1}{8}$	12.5%
$\frac{7}{10}$	40%

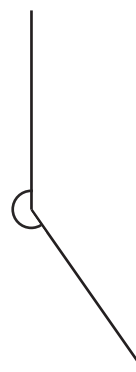
Section 6

What is the area of the overlapping rectangle made from these two identical rectangles?



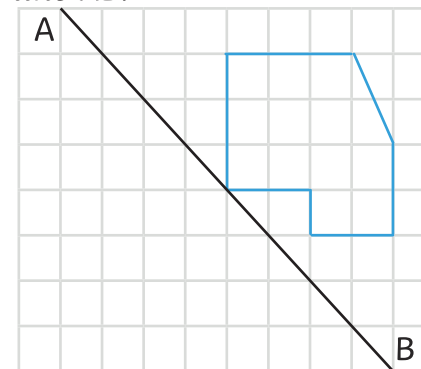
Section 7

Measure this angle:



Section 8

Reflect this shape about the line AB.



Year 5 Autumn 2 Maths Activity Mat 6 Answers

Section 1

I am a 3-digit even number.

Two of my digits are square numbers.

The digits decrease from hundreds to ones.

The smallest digit is a 4.

The digits all add up to 20.

What am I?

974

Section 2

Write the factor pairs of 54.

1 x 54, 2 x 27, 3 x 18, 6 x 9

Write the common factors of 32 and 88.

1, 2, 4, 8

Section 3

T-shirts are put into packs of 4. A box contains 16 packs. A manufacturer produces 1321 T-shirts in one day. After filling boxes, how many packs of T-shirts can be made from the rest of the T-shirts, and how many T-shirts will be left over?

10 packs and 1 T-shirt

Section 4

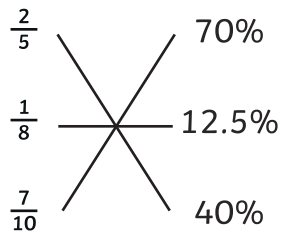
Calculate:

$$\frac{9}{5} \times 4 = 7\frac{1}{5}$$

Write the answer as a mixed number.

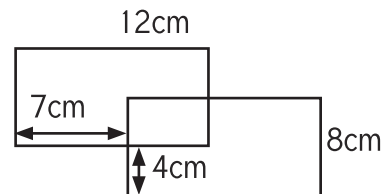
Section 5

Match the following:



Section 6

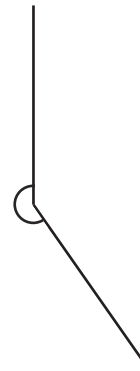
What is the area of the overlapping rectangle made from these two identical rectangles?



20 cm²

Section 7

Measure this angle:



215°

Section 8

Reflect this shape about the line AB.

