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.

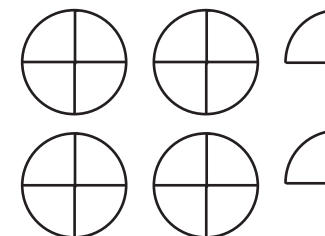Write the common factors of 5 and 20.

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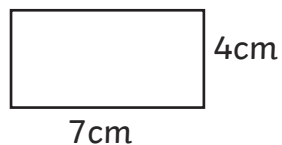
$2\frac{1}{4} \times 2 =$

Section 5

Write the following fractions as percentages:
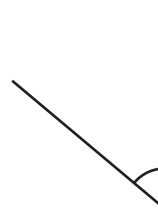
$\frac{1}{2}$ =

$\frac{1}{4}$ =

Section 6

What is the area of this rectangle?
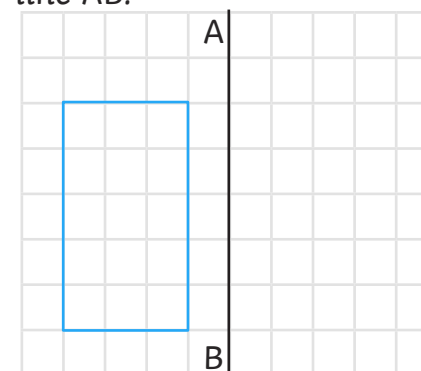
4cm

7cm

(Not to scale.)

Section 7

Measure this angle:

Section 8

Reflect this shape about the line AB.

A

B

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?

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.
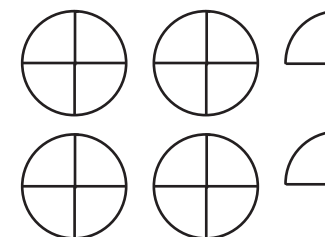
1, 5

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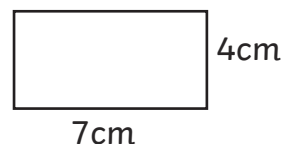
$2\frac{1}{4} \times 2 = $ **$4\frac{1}{2}$**

Section 5
Write the following fractions as percentages:

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

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

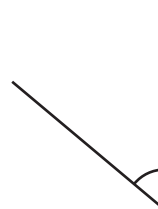## Section 6
What is the area of this rectangle?

4cm

7cm

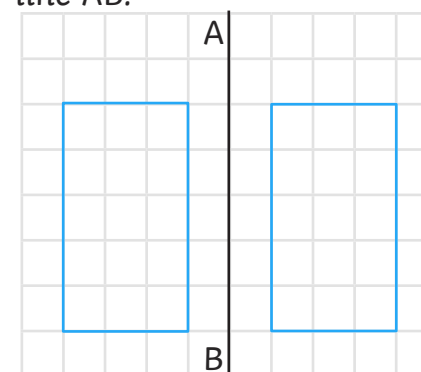(Not to scale.)

28cm²

Section 7
Measure this angle:

50˚

Section 8
Reflect this shape about the line AB.

A

B

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 of 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:

$\frac{1}{4}$ 75%
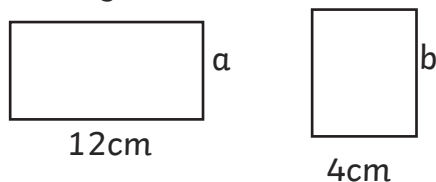
$\frac{3}{4}$ 20%

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

Section 6

The area of each of these rectangles is 36cm².
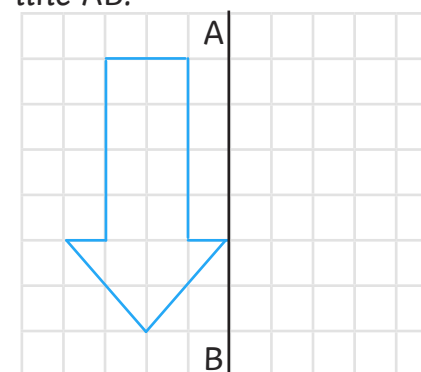
What is the length of the missing sides in each?

a

12cm

b

4cm

a =   b=

Section 7

Measure this angle:

Section 8

Reflect this shape about the line AB.

A

B

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 × 30, 2 × 15, 3 × 10, 5 × 6

Write the common factors of 8 and 36.

1, 2, 4

Section 3
T-shirts are put into packs of 4. A box of contains 16 packs. How many boxes will be made from 704 T-shirts?
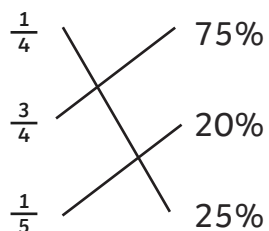
11 boxes

Section 4
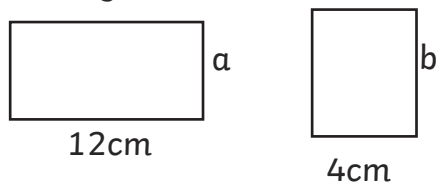Calculate:

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

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 36cm². What is the length of the missing sides in each?

a

12cm

b

4cm

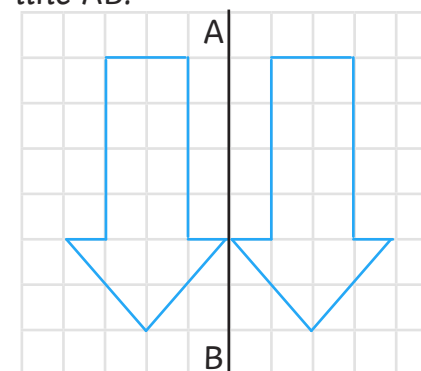a = **3cm**   b= **9cm**

Section 7
Measure this angle:

134˚

Section 8
Reflect this shape about the line AB.

A

B

Year 5 Autumn 2 Maths Activity Mat 6

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?

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.
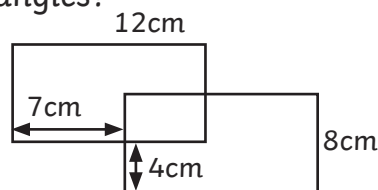
Section 5

Match the following:

$\frac{2}{5}$ 70%

$\frac{1}{8}$ 12.5%

$\frac{7}{10}$ 40%
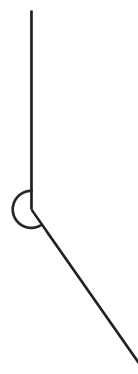
Section 6

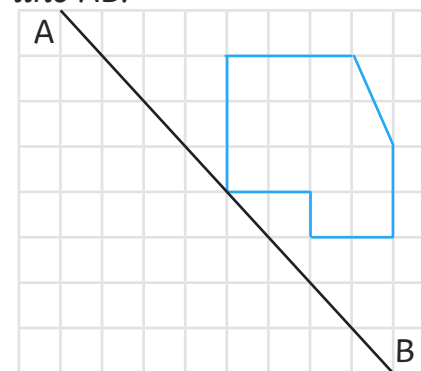What is the area of the overlapping rectangle made from these two identical rectangles?

12cm

7cm

4cm

8cm

Section 7

Measure this angle:

Section 8

Reflect this shape about the line AB.

A

B

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 × 54, 2 × 27, 3 × 18, 6 × 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?
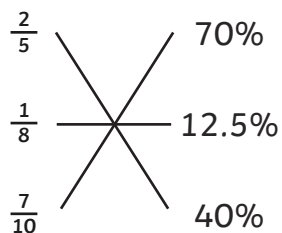
10 packs and 1 T-shirt

Section 4
Calculate:

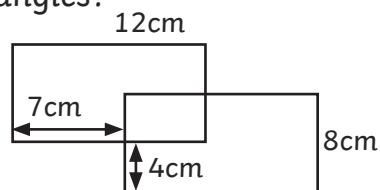$$\frac{9}{5} \times 4 = 7\frac{1}{5}$$

Write the answer as a mixed number.
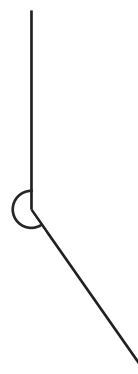
Section 5
Match the following:

$\frac{2}{5}$ — 40%

$\frac{1}{8}$ — 12.5%

$\frac{7}{10}$ — 70%

Section 6
What is the area of the overlapping rectangle made from these two identical rectangles?

12cm

7cm

4cm

8cm

20cm²

Section 7
Measure this angle:

215°

Section 8
Reflect this shape about the line AB.

A

B