# KS2 Mathematics

## *EASTER REVISION*

## *10 4 10*

## "10 MINUTES A DAY FOR 10 DAYS"

## Level 4 questions

Very soon after your Easter holidays you will be sitting your KS2 SATs. You have been working very hard in your lessons, to achieve your best— It would be a pity if you forgot all that work over the Easter break!!!!!

Even doing a little will help you keep your maths "sharp". This pack is to help you do just that.
It is called ***10 4 10 ,*** "10 minutes a day for 10 days" - (you can have the weekend off!!!).
Every day there is ONE double sided sheet to complete, with FIVE mental arithmetic and 3 to 4 SATs type questions.
**REMEMBER:** It should only take you about 10 minutes a day.

A second pack will go home—this will have the answers and some handy 'hints'. Get someone at home to help you go through the answers.
If you get really stuck - don't worry, just ask your teacher when you get back to school.

Another thing - You will not need a calculator!!! Remember your brain is the best calculator you have. Good Luck

Name _____

KS2 Mathematics

10 4 10

Level 4 questions
Day 1


# Mental Questions

1. Multiply six by nine.

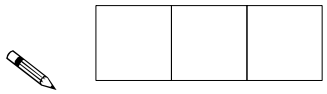
2. How many eights are there in forty-eight.

3. Round 3756 to the nearest hundred.

4. Add together 0.2, 0.3 and 0.6.

5. Four times a number is 200. What is the number?

**1.** Write in the missing **three-digit** number.



$\square\square\square \div 10 = 20$

1 mark

**2.** Write in the missing numbers.

$\square + 85 = 200$

1 mark

$4 \times \square = 120$

1 mark

$120 - 51 = \square$

1 mark

**4.** Jemma thinks of a number.

She says,

***'Add 3 to my number and then multiply the result by 5***
***The answer is 35'***

What is Jemma's number?

1 mark

Riaz thinks of a number.

He says,

***'Halve my number and then add 17***
***The answer is 23'***

What is Riaz's number?

1 mark

**3.** Write in the missing numbers in this multiplication grid.

| × | 5 | □ | □ |
|---|---|---|---|
| 4 | 20 | 36 | 32 |
| □ | 35 | 63 | 56 |
| □ | 30 | 54 | 48 |

2 marks

KS2 Mathematics

10 4 10

Level 4 questions
Day 2


# Mental Questions

1. What is ¾ as a decimal?

2. How many hundreds in 3600.

3. If one apple costs 15p. How much will 3 apples cost?

4. The perimeter of a square is 24cm. What is the length of one side?

5. Add together 34 and 48.

**1.** Here are four digit cards.


Use each of the digits **once** to make a **total that is a multiple of 5**


1 mark

**2.** Circle the **three** numbers which **divide by 5** with **no remainder**.

| | | |
|---|---|---|
| 84 | 85 | 86 |
| 91 | 92 | 93 |
| 98 | 99 | 100 |
| 105 | 106 | 107 |

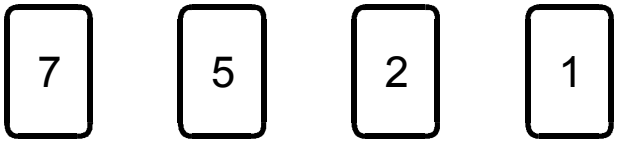
1 mark

**3.** Circle all the **multiples of 8** in this list of numbers.

1 marks

18 32 56 68 72

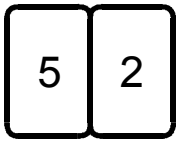
**4.** Here are four digit cards.



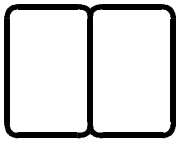

Choose two cards each time to make the following two-digit numbers.

The first one is done for you.

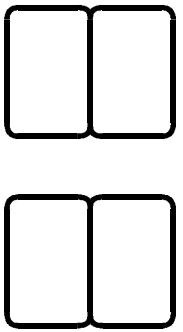
an even number




a multiple of 9



a square number



a factor of 96

2 marks

KS2 Mathematics

10 4 10

Level 4 questions
Day 3

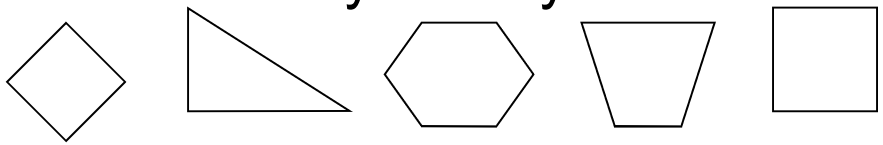

# Mental Questions

1. How would quarter past four in the afternoon be shown on a 24 hour digital clock?

2. How many 8's in 560?

3. A bar of chocolate costs 31p. I buy 3 bars. How much change do I get from £1?

4. Put a ring around the shape with one line of symmetry?



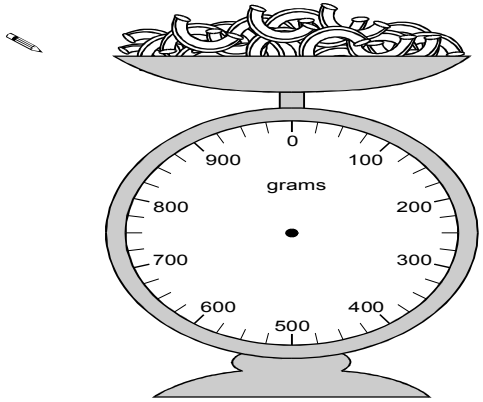
5. What is the total cost of 2 adults and one child?

| PERSON | PRICE |
|---|---|
| Adult | £3.99 |
| Child | £2.99 |

**1.** Jamie is cooking pasta.

He weighs 350 grams of pasta.

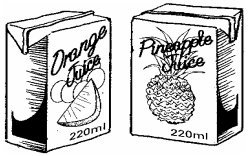
Draw an arrow on the scale to show 350 grams.




1 mark

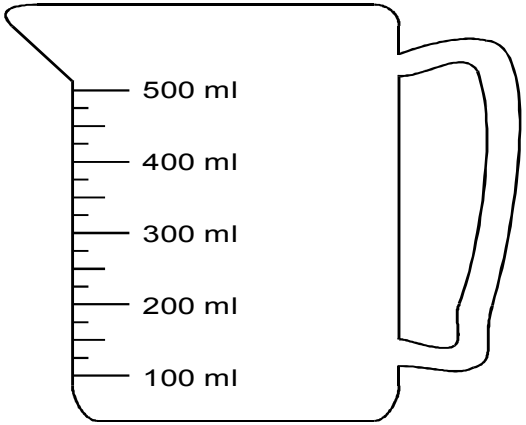
**2.** Mina has two cartons of juice.

Each carton contains **220ml.**




She empties them both into this jug.

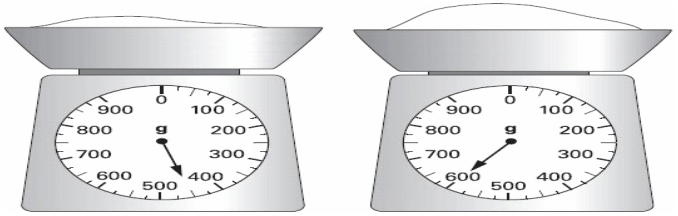
Draw an arrow (→) to show the level of the mixture in the jug.




1 mark

**3.** Emily is making a cake.

She puts flour on the scales. She then adds sugar to the flour.




How much sugar does she add?


2 marks

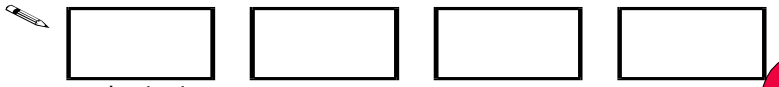
**4.** Write these lengths in order, starting with the shortest.

$\frac{1}{2}$ m

3.5cm

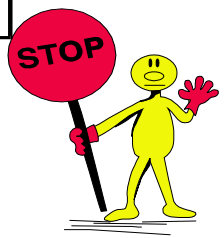
25mm

20cm



shortest

1 mark



KS2 Mathematics

10 4 10

Level 4 questions
Day 4


# Mental Questions

1. How many faces has a cube?

2. I have a fair six-sided dice, numbered one to six. What is the probability that I roll a number less than five?

3. Round 368cm to the nearest metre?

4. A pen costs 82p and a ruler costs 29p. Find the difference in price?

5. 22 marbles are shared between some children. Each child receives 7 marbles. How many share the marbles?

**1.** Circle the **two** fractions that have the same value.

$\frac{2}{10}$ $\frac{1}{3}$ $\frac{1}{2}$

$\frac{5}{10}$ $\frac{1}{4}$

1 mark

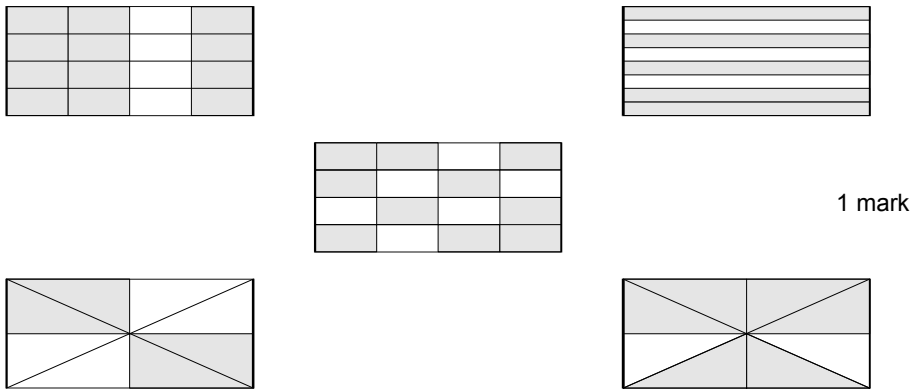
**2.** Circle the **two** fractions that are **greater than** $\frac{1}{2}$

$\frac{1}{8}$ $\frac{6}{10}$ $\frac{5}{8}$

$\frac{3}{10}$

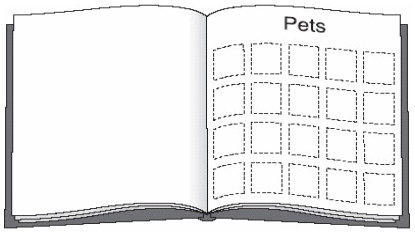
1 mark

**3.** Tick (✓) the **two** shapes that have **three-quarters** shaded



1 mark

**4.** Meg has 20 pet stickers to go on this page.




$\frac{1}{4}$ of them are dog stickers.

$\frac{1}{2}$ of them are cat stickers.

The rest are rabbit stickers.

How many rabbit stickers does she have?

stickers

1 mark

**5.** Match each box to the correct number.

One has been done for you.

$\frac{1}{2}$ of 30

$\frac{1}{3}$ of 75

$\frac{1}{5}$ of 150

45 40 35 30 25 20 15

1 mark

KS2 Mathematics

10 4 10

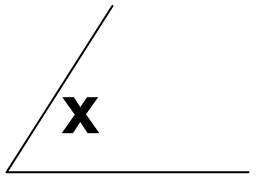
Level 4 questions
Day 5


# Mental Questions

1. Multiply 40 by 6.

2. How many seconds are there in one and a half minutes?

3. Estimate the size of angle x.




4. Add three point five to four point eight.

5. What number is half way between 40 and 90?

**1.**


A film starts at 6:45pm.

It lasts 2 hours and 35 minutes.

What time will the film finish?

pm

**2.**

Here are the **start** and **finish** times of some children doing a sponsored walk.

| | Start time | Finish time |
|---|---|---|
| Claire | 9:30 | 10:55 |
| Ruth | 9:35 | 11:05 |
| Dan | 9:40 | 11:08 |
| Tim | 9:45 | 11:05 |

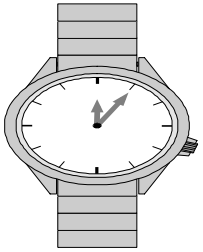
How much longer did Claire take than Tim?

**minutes**

1 mark

**3.** One of these watches is **3 minutes fast.**

The other watch is **4 minutes slow.**

What is the correct time?

**4.** Here is the calendar for August 1998.

**August 1998**

| Sun | Mon | Tues | Wed | Thur | Fri | Sat |
|---|---|---|---|---|---|---|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |

Simon's birthday is on **August 20th**.

In 1998 he had a party on the **Sunday after** his birthday. What was the **date** of his party?

Tina's birthday is on **September 9th**. On what **day of the week** was her birthday in 1998?


.....
.....
....

KS2 Mathematics

10 4 10

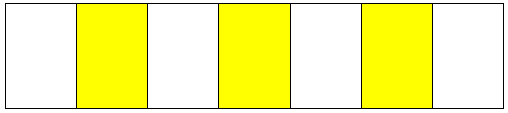
Level 4 questions
Day 6


# Mental Questions

1. What is the difference between 18 and 27?

2. What is 30 out of 60 as a percentage?

3. Calculate the fraction of the diagram that is shaded.

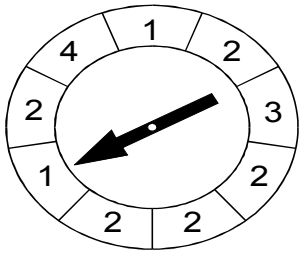


4. Add ½ to ¾.

5. How much more does a large pizza cost than a small pizza?

| | |
|---|---|
| Large Pizza | £5.25 |
| Small Pizza | £3.99 |

**1.** The spinner is divided into **nine** equal sections.




Which **two different numbers** on the spinner are equally likely to come up?

and

1 mark

Meera says,

**'2 has a greater than even chance of coming up'.**

Explain why she is correct.

_____

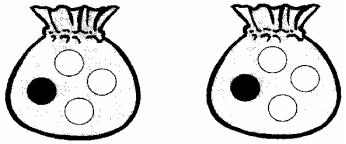
_____

_____

1 mark

**2.** Here are two bags.

Each bag has **3 white balls** and **one black ball** in it.



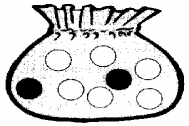
A ball is taken from **one of the bags** without looking.

What is the probability that it is a **black ball**?

Give your answer as a fraction.

1 mark

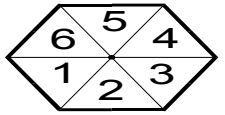
All the balls from **both bags** are now mixed together in a new bag.



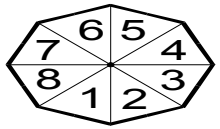
Put a **cross (x)** on this line to show the probability of taking a **black ball** from the new bag.


**3.** Here are two spinners.

Jill's spinner




Peter's spinner




Jill says,

***"I am more likely than Peter to spin a 3."***

Give a reason why she is correct.

1 mark

Jill is correct because _____

_____

_____

KS2 Mathematics

10 4 10

Level 4 questions
Day 7


# Mental Questions

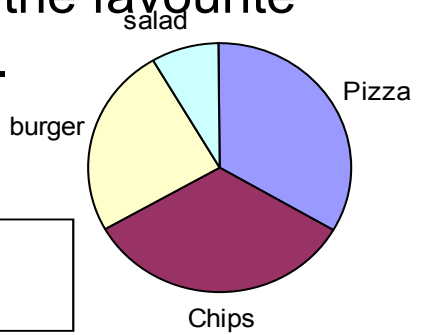
1. How many millimetres are there in nine centimetres?

2. Calculate the number of hours in 2 days.

3. An equilateral triangle has a perimeter of 18cm. What is the length of one of its sides?

4. What is double 15.5?

5. The pie chart shows the favourite foods of 120 children. Estimate the number of children who like pizza.



**1.** Here is a sorting diagram for numbers.

Write a number **less than 100** in each space.

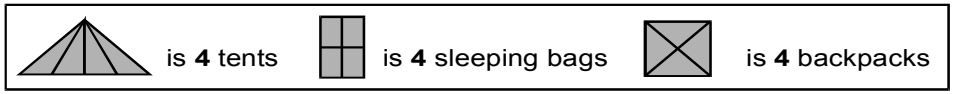
| | even | **not** even |
|---|---|---|
| a square number | | |
| **not** a square number | | |

2 marks

**2.** A camping shop sells **tents**, **sleeping bags** and **backpacks**.

This chart shows how many of each they sold in June.

**Items sold in June**




| | |
|---|---|
| tents | |
| sleeping bags | |
| backpacks | |

The shop had **20** sleeping bags at the **beginning of June**.

How many of these sleeping bags did the shop have left at the **end of June**?

1mark

In **July**, the shop sold **three times as many tents** as in June.

How many tents did the shop sell in **July**?

1mark

**3.** Five children collect money to plant trees.

Here is a bar chart of the amounts they have raised so far.


Their target is **£40 altogether**.

How much **more** money do they need to reach the target?

Show your **working.** You may get a mark.

£

2 marks

KS2 Mathematics

10 4 10

Level 4 questions
Day 8


# Mental Questions

1. Divide 280 by 10.

2. Subtract 32 from 100.

3. 50% of a number is 7. What is the number?

4. Put a ring round the fraction that is equivalent to 1/5.

   1/2  3/15  3/4  3/10  1/15

5. If 5 biscuits cost 20p. How much do 15 biscuits cost?

**1.** These are the prices in a fish and chip shop.

| | | |
|---|---|---|
| Fish | | £1.95 |
| Chips | small bag. | 55p |
| | large bag. | 70p |
| Peas | | 38p |

Luke has **£3**

He wants to buy one fish, peas and two large bags of chips.

How much **more** money does he need?

Show your **method.** You may get a mark.

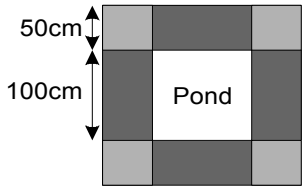
2 marks

**2.** Mr Singh buys paving slabs to go around his pond.

**PAVING SLABS**

**£1.95** each — Square slabs 50cm by 50cm

**£3.50** each — Rectangular slabs 100cm by 50cm




He buys 4 rectangular slabs and 4 square slabs.

What is the total cost of the slabs he buys?

Show your **working.** You may get a mark.

£

2 marks

Mr Singh says,

***'It would cost more to use square slabs all the way round.'***

Explain why he is correct.

1 mark

**3.** The table shows the cost of coach tickets to different cities.

| | | Hull | York | Leeds |
|---|---|---|---|---|
| Adult | single | £12.50 | £15.60 | £10.25 |
| | return | £23.75 | £28.50 | £19.30 |
| Child | single | £8.50 | £10.80 | £8.25 |
| | return | £14.90 | £17.90 | £14.75 |

What is the total cost for a **return** journey to York for one adult and two children?

£

How much **more** does it cost for two adults to make a **single** journey to Hull than to Leeds

£

KS2 Mathematics

10 4 10

Level 4 questions
Day 9


# Mental Questions

1. How many 5 pence coins in sixty pence?

2. Find double 83.

3. What is the sum of the angles in a triangle?

4. Subtract 2.9 from 3.6.

5. Sam thought of a number. He doubled it and added 3. The answer was 67. Which number did he think of?

**1.** Peanuts cost **60p** for **100 grams**.

What is the cost of **350 grams** of peanuts?

Show your **working.** You may get a mark.

2 marks

Raisins cost **80p** for **100 grams**.

Jack pays **£2** for a bag of raisins.

How many **grams of raisins** does he get?

Show your **working.** You may get a mark.

**g**

2 marks

**2.** The temperature **inside** an aeroplane is **20 °C**.

The temperature **outside** the aeroplane is **–30 °C**.

What is the **difference** between these temperatures?

**degrees**

1 mark

**3.** A bottle holds **1 litre** of lemonade.

Rachel fills **5** glasses with lemonade.

She puts **150 millilitres** in each glass.

How much lemonade is left in the bottle?

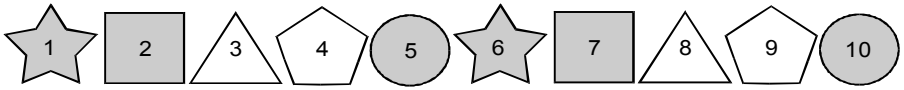
Show your **method.** You may get a mark.

**ml**

2 marks

**4.** Here is a repeating pattern of shapes.

Each shape is numbered.



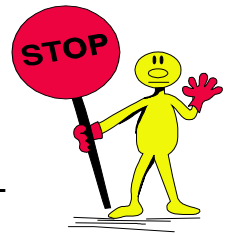

The pattern continues in the same way.

Write the numbers of the next two **stars** in the pattern.

And

Complete this sentence.

***Shape number 35 will be a circle because …***




1 mark

KS2 Mathematics

10 4 10

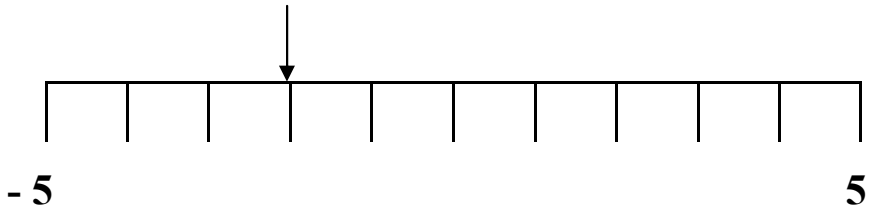
Level 4 questions
Day 10


# Mental Questions

1. What is the total of 100, 30 and 80?

2. What is a ⅓ of 39?

3. What number is the arrow pointing to on the number line?



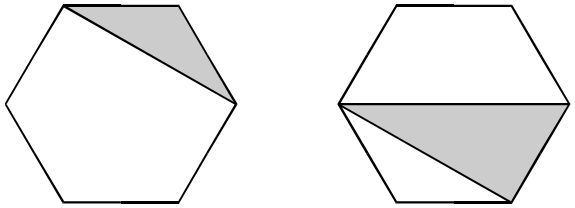

4. Put a ring round the numbers that are factors of 40.

   1, 4, 7, 3, 10, 15, 40

5. A bus left the station at 10.40 and arrived at its destination at 12.20. How long was the journey?

**1.** These two shaded triangles are each inside a regular hexagon.

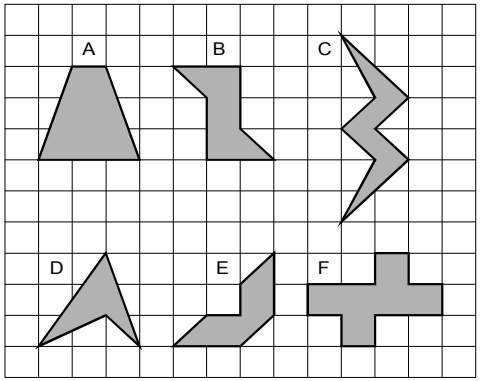
Under each hexagon, put a ring around the correct name of the shaded triangle.



| | |
|---|---|
| equilateral | equilateral |
| isosceles | isosceles |
| scalene | scalene |

1 mark

2. Here are some shaded shapes on a grid.



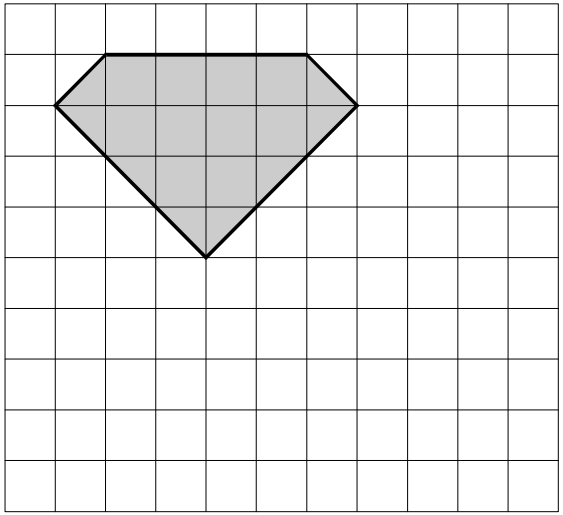

Which **three** shapes have **reflective symmetry**?

You may use a mirror or tracing paper.

2 marks

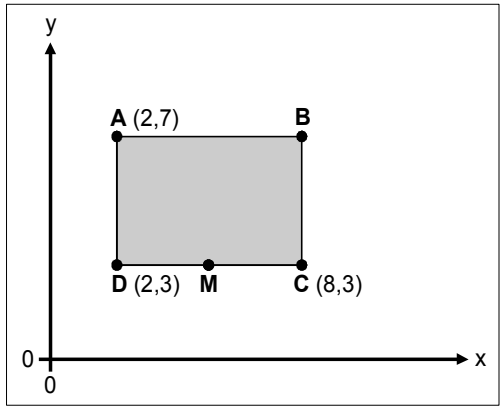
**3.** On the grid, draw a **rectangle** which has the **same area** as this shaded pentagon.

Use a ruler.



1 marks

**4.** Here is a shaded **rectangle**.




What are the co-ordinates of **B**?

( , )

1 marks

**M** is half way between **D** and **C**.

What are the co-ordinates of **M**?

( , )

1 marks