Singleton Church of England Primary School

Math's Assessment Year 4

Block 5

Question Number	Score
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.	
Total Marks	

Name	
Class	
Date	

Unit 1 Place Value

1.

. Which 2 numbers round to 5,600 when rounded to the nearest hundred?

. Round each number to the nearest thousand.

2.

Here are three digit cards.

| 5 | 7 | 3 |

Use the cards to make the number nearest to 400

3.

The school office sells **52** poppies for **10p each**.

How much money have they collected altogether?

£

4.

Sumaya's walk from her home to school is **130m**.

Millie's walk is **10 times** as far.

How far does Millie walk to get to school?

m

5.

Bethany has **15** marbles.

Nasir has **100 times** as many.

How many marbles does Nasir have?

6.

Here are three jumpers in a shop.

A	B	C
£12.50	£15.65	£19.50

How much does jumper B cost to the nearest pound?

£ _____

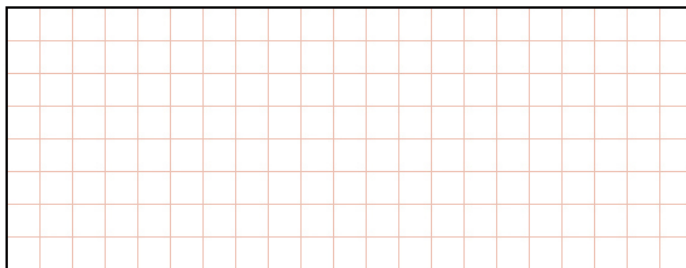**KLIPs**
- Understand the principles (not the name) of the associative law as it applies to addition.
- Add or subtract the nearest multiple of 10, then adjust.
- Use known number facts and place value to add or subtract mentally, including any pair of two-digit whole numbers.
- Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.
- Estimate and use inverse operations to check answers to a calculation
- Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why
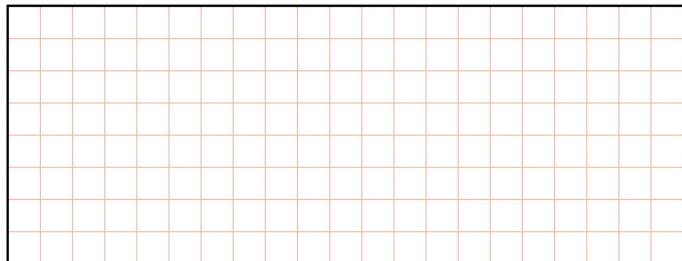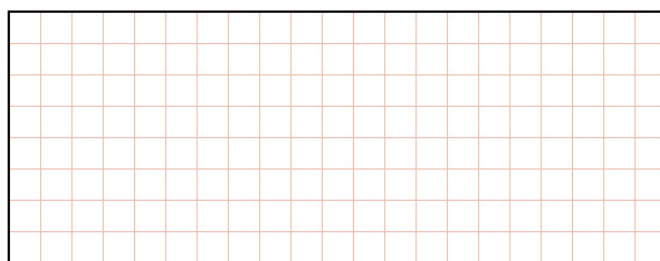
7.

$1{,}920 + 323 = $ _____

8.

_____ $- 100 = 150$

9.

$718 - $ _____ $= 367$

10.

The numbers in this sequence increase by 101 each time

Write in the next two numbers in the sequence.

606   707   808   [   ]   [   ]

11.

Dan says,

'I choose a number.
I multiply it by 5
Then I subtract 7
My answer is 38'

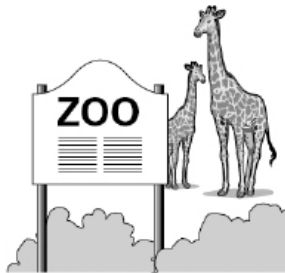What number did Dan choose?

Show your method

12.

On a school trip, 56 people visit the zoo.

23 are girls.
21 are boys.
5 are teachers.

The rest are parents.

How many are parents?

Show your method

KLIPs
- **Develop and refine written methods for column subtraction of two whole numbers less than 1000;** money calculations (for example £7.85 + or – £3.49).
- **Choose and use appropriate number operations and appropriate ways of calculating (mental, mental with jottings, pencil and paper) to solve problems.**
- Use all four operations to solve word problems involving numbers in 'real life' and money using one or more steps, including converting pounds to pence.
- Use knowledge of sums or differences of odd/even numbers.
- Add and subtract fractions with the same denominator
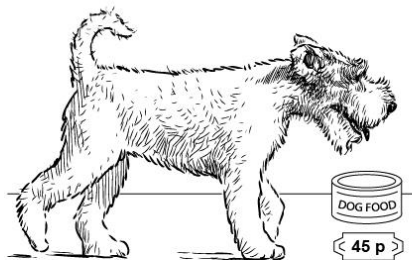

13.

biscuits
20p each

cakes
25p each

Sam buys **3** biscuits and **1** cake.

How much does Sam spend **altogether**?

Show your method

p

14.

Dina's dog eats one tin of dog food each day.

DOG FOOD
45 p

How much does it cost to feed Dina's dog for **6** days?

Show your method

£

15.

This is how much ice lollies cost.

Choco	45p	
Magna	60p	
Alien	55p	
Nutty	35p	

How much do **3** Nutty lollies cost?

16.

A box of chocolates costs **£7**.

How many do **16** boxes cost?

17.

Bananas cost **25p** each.

How many bananas can Joe buy for **£1.75**?

18.

Boris cuts a cake into 8 equal pieces.

Boris eats $\frac{4}{8}$ and Simon eats $\frac{3}{8}$ of the cake.

What fraction of the cake is left?

19.

I have **5m** of rope.

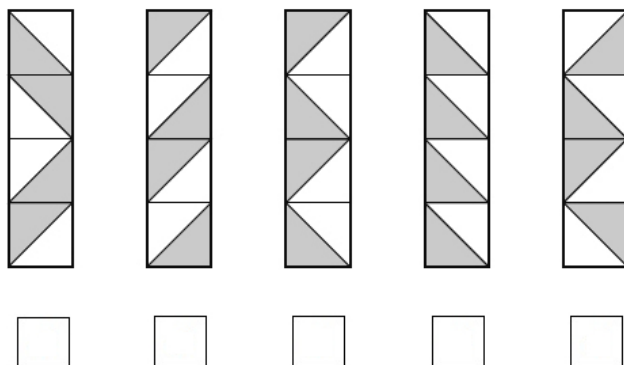I cut off $\frac{4}{10}$ **m**.

How much rope is left?

KLIPs
- Identify lines of symmetry in 2D shapes presented in different orientations
- Pupils draw simple symmetric patterns using a variety of media – become familiar with orientations of lines of symmetry and recognise symmetry in a variety of diagrams, including where the line of symmetry does not dissect the original shape
- Describe the positions on a 2D grid as coordinates in the first quadrant (Y5).
- Recognise simple examples of horizontal and vertical lines.
- Plot specified points and draw sides to complete a given polygon (Y6)

20.

Here are five rectangles, each with a shaded pattern.

For each rectangle, put a tick (✓) if the pattern has a line of symmetry. Put a cross (✗) if it does not.
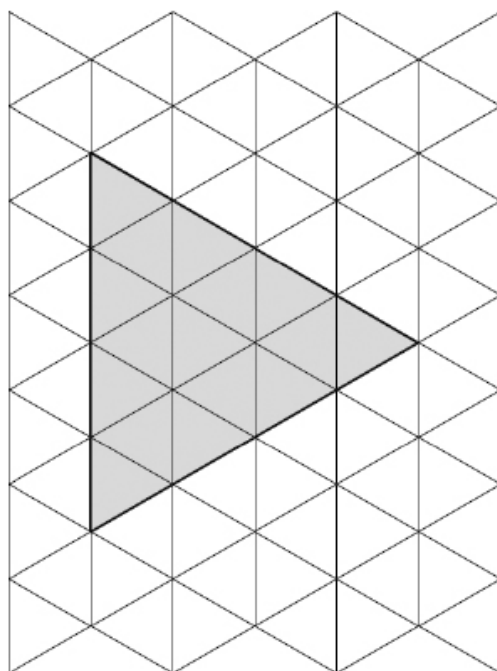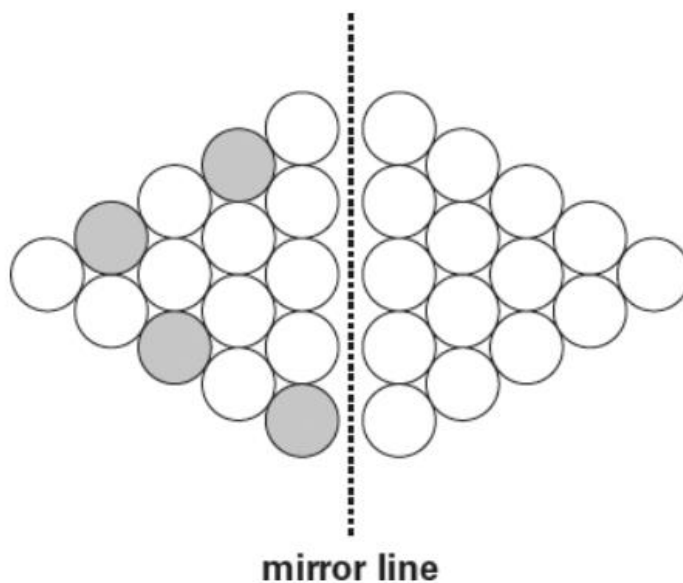

21.

Here is a grid of equilateral triangles.

Draw **all** the lines of symmetry on the shaded triangle.
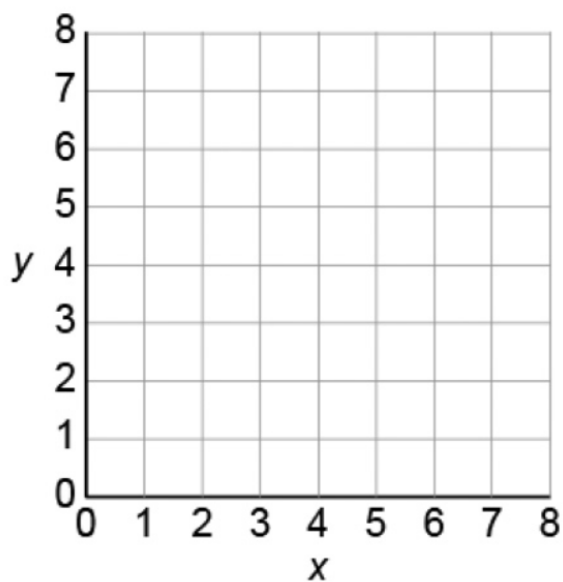
Use a ruler.

22.

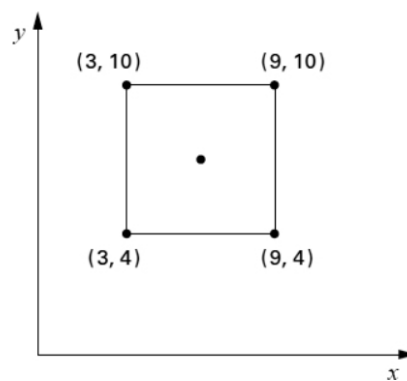Complete the reflection of this pattern in the mirror line.

mirror line

23.

(a) Mark the points and join them to make a polygon.

(5,0)   (3,1)   (5,2)   (7,1)

24.

Here is a square drawn on a coordinate grid.

(3, 10)   (9, 10)
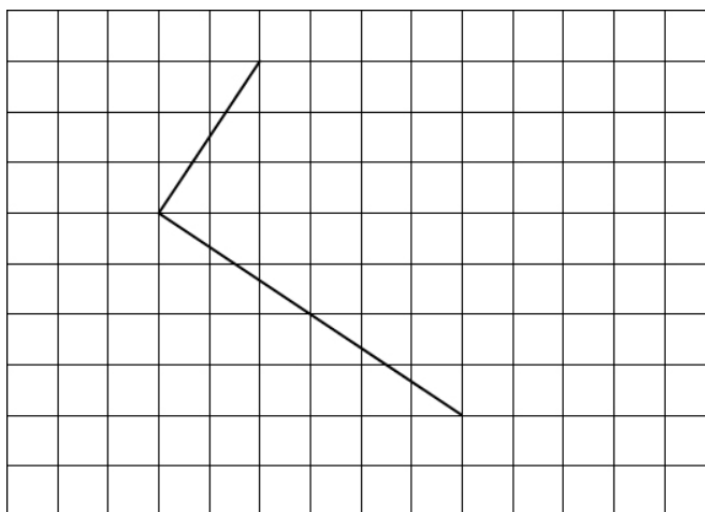
(3, 4)   (9, 4)

What are the coordinates of the point at the **centre** of the square?

(,   )

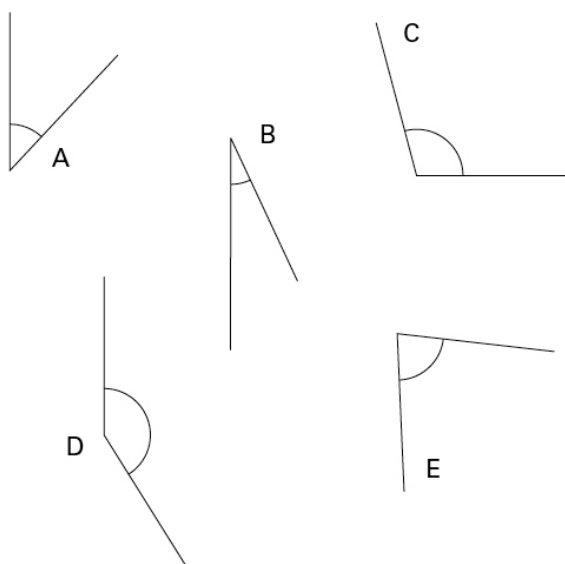**25.** Draw two more lines on this grid to complete the rectangle.

Use a ruler.

KLIPs

- Make and measure clockwise and anticlockwise turns, for example, from SW to N or from 4 to 10 on a clock face.
- Begin to know that angles are measured in degrees and that: one whole turn is 360° or 4 right angles; a quarter turn is 90° of one right angle; half a right angle is 45°.
- Start to order a set of angles less than 180°.
- Use the eight compass directions, N, S, E, W, NE, NW, SE, SW.
- Recognise positions and directions for example, describe and find the position of a point on a grid of squares where the lines are numbered.
- Recognise simple examples of horizontal and vertical lines.
- Measure and calculate the perimeter of a rectilinear figure (including squares in cm and m
- Find the area of rectilinear shapes by counting squares

Here are some angles.

26.

Put the angles in order of size, starting with the **smallest**.
Write the correct letters in the boxes.

One has been done for you.

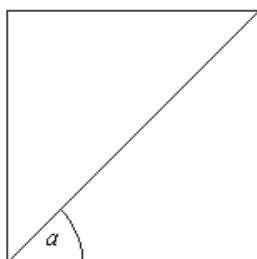|		E		
smallest				largest

27.

Angles in a square

(a) How many degrees are there in a right angle?

| | degrees |

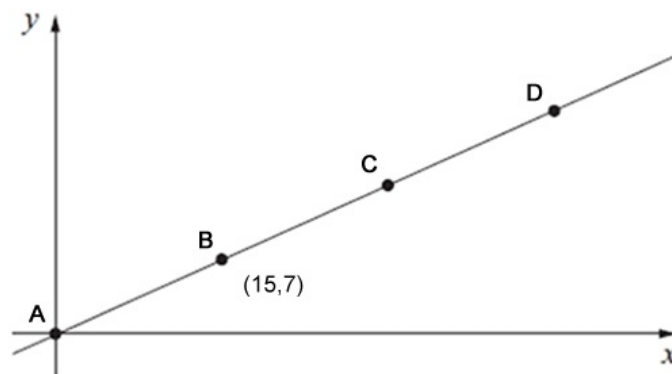(b) The diagram shows a square.

How many degrees is angle a?

| | degrees |

28.

Here is a line on coordinate axes.
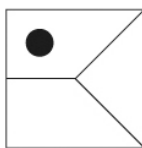

Points **A**, **B**, **C** and **D** are equally spaced.

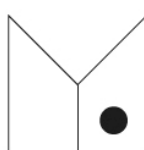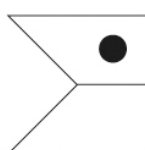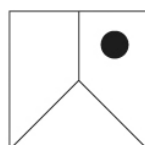The coordinates of **B** are (15,7).

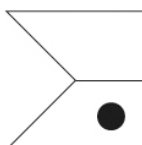What are the coordinates of **D**?
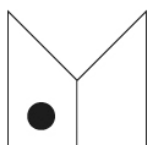
D = (,   )
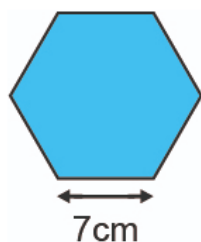
29.

Look at this shape.

Tick (✓) how it will look after **half a turn**.
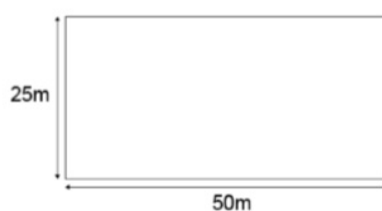
30.

A regular hexagon has sides of **7cm**.

7cm

What is its perimeter?

31.

Here is a plan of a school playground.
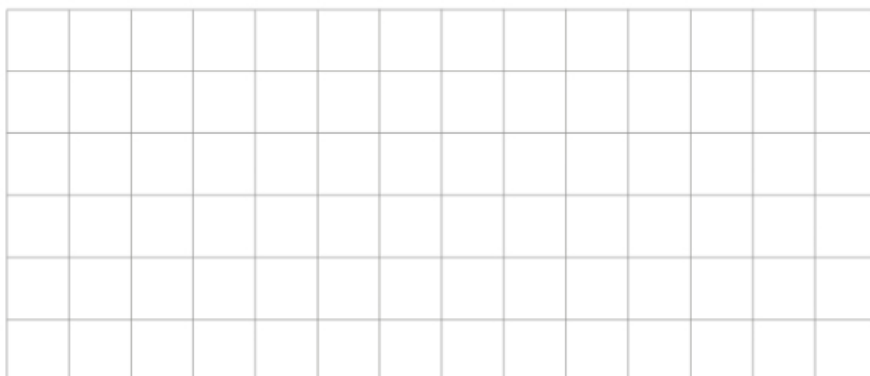
The Head wants to put a fence around the perimeter.

25m

50m

Not drawn to scale.

How many metres of fencing is needed?

m

32.

Draw a rectangle with an area of 12cm^2 on this square-centimetre grid.

29.

Tick (✓) the two cards that show the **same** weight.

1.5 kilograms	150 grams

15 kilograms

1 kilogram 50 grams	1500 grams

30.

Match each length to the correct box on the right.

One has been done for you.

6 m

60 mm ——————————— 6 cm

600 cm   600 m

60 m

6 km   6000 m

31.

The time on a digital clock is **2:45**

What time will the digital clock show **one and a half hours** later?
Tick (✓) the correct time below.

4:05   3:55

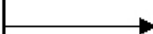4:15   4:25

3:45

32.

Complete the missing times.

The first one is done for you.

| 10 o'clock in the morning | → | 10:00 |

| Quarter to 7 in the morning | → | |

| Quarter past 7 in the evening | → | |

Complete the missing time.

| | → | 21:00 |

33.

Harry does English and maths homework each week.
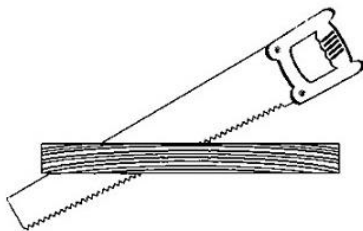
It takes him a total of two and a half hours.

He spends **80** minutes doing English homework.

How many **minutes** does he spend doing maths homework?

minutes

34.

How many **50cm** lengths of wood can I cut from a **3m** plank?

35.

How many **500ml** bottles can I fill from a **3 litre** container of water?

36.

I have already swum **750m**.

How much further do I need to go to swim **2km**?

37.

1m 40cm of ribbon was cut into equal pieces.

Each piece is **14cm** long.

How many pieces of ribbon are there?