Measure length (cm)

White Rose Maths

1 How long is the pen to the nearest centimetre?

The pen is | 13 | cm long.

2 How tall is the doll to the nearest centimetre?
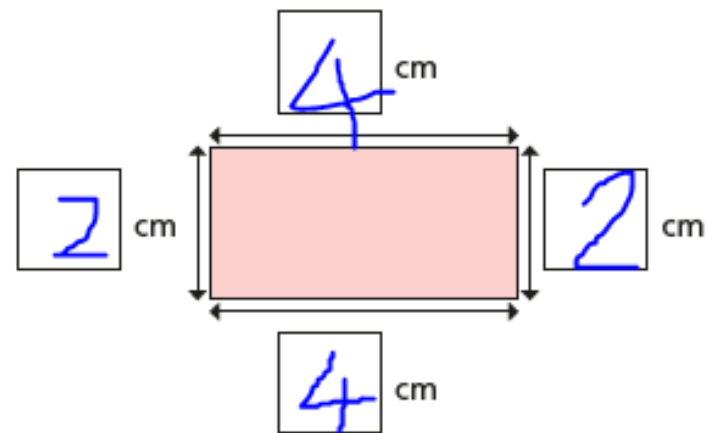
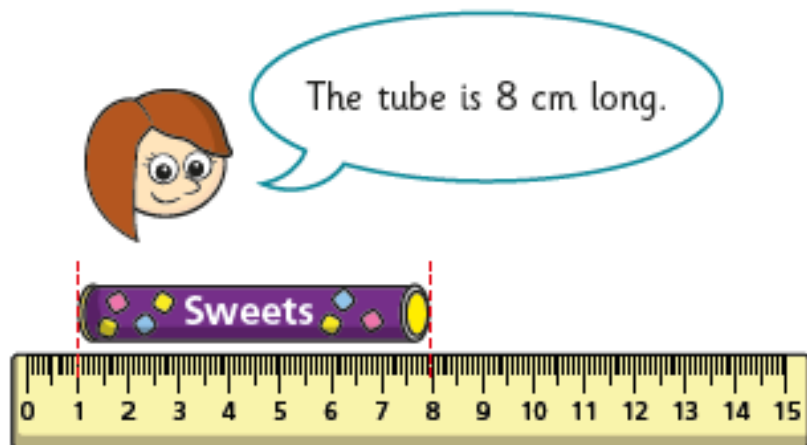

8 cm

3 Use a ruler to draw the lines.

a) 12 cm long

b) 7 cm long

c) 8 cm long

4 How long is each side to the nearest centimetre?

Measure and label the rectangle.

4 cm

2 cm

2 cm

4 cm

5 Rosie measures the length of a tube of sweets.

The tube is 8 cm long.

Sweets

a) Do you agree with Rosie? ___No___
Talk about it with a partner.

b) How long is the tube to the
nearest centimetre?

7 cm

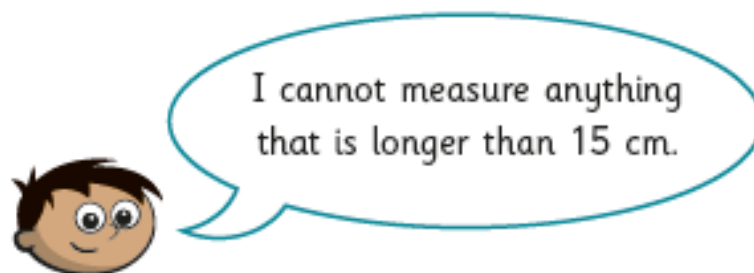**6** You cannot use a ruler to measure the line.

Why not? How could you measure it?

7 a) Draw a line that is between 6 cm and
9 cm long.

b) How long is your line to the
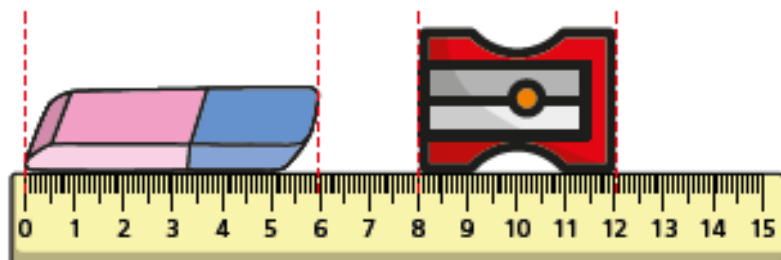nearest centimetre?

cm

8 Amir has a 15 cm ruler.

I cannot measure anything
that is longer than 15 cm.

Is Amir correct? ___No___
How could he measure an object longer
than 15 cm?
Talk to a partner.

Compare lengths

1 Write <, > or = to compare the statements.

Complete the sentences.

shorter   longer

The rubber is _longer_ than the sharpener.

The sharpener is _shorter_ than the rubber.

2 Write <, > or = to compare the statements.

a)   9 cm $<$ 23 cm

b)   fifty metres $=$ 50 m

c)   one metre $>$ 1 cm

3 Write digits in the boxes to make the statements correct. _e.g._

a) $\boxed{40}$ cm < 41 cm

b) 14 m < $\boxed{15}$ m

c) 14 cm > $\boxed{10}$ cm

d) 12 m < $\boxed{17}$ m < 20 m

Is there more than one answer for each?

4 Would you measure each one using centimetres or metres?

Tick your answer.

	centimetres	metres
a) the height of a baby	✓	
b) the length of a pencil	✓	
c) the height of a school		✓
d) the height of your teacher		✓

What else would you measure in metres?

5 Write <, > or = to compare the statements.

a) 39 cm + 9 cm (>) 47 cm

b) 22 m − 6 m (>) 0 m + 15 m

c) 4 cm + 13 cm (<) 20 m − 3 m

6

5 m = 5 cm
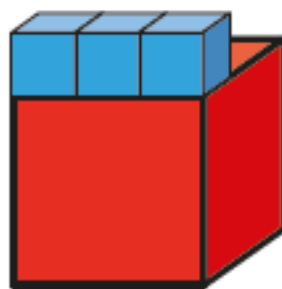
a) Why is the statement wrong?
   Talk about it with a partner

b) Write < or > to correct the mistake.

5 m (>) 5 cm

6 One large cube is three times as long as one small cube.

One small cube is 5 cm long.

a) How long are 2 small cubes?

10 cm

b) How long are 10 small cubes?

50 cm

c) How long is 1 large cube?

15 cm

d) How long are 2 large cubes?

30 cm

Four operations with lengths

1   Eva has a toy car and a toy truck.

The toy car is 12 cm long.

The toy truck is 7 cm longer than the toy car.

a) How long is the toy truck?

19 cm

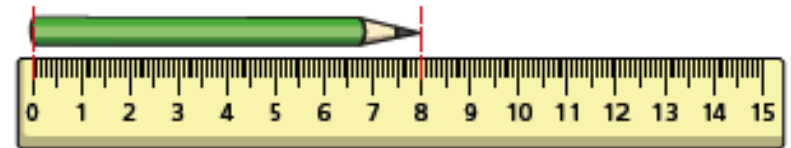b) What is the total length of both toys together?

31 cm

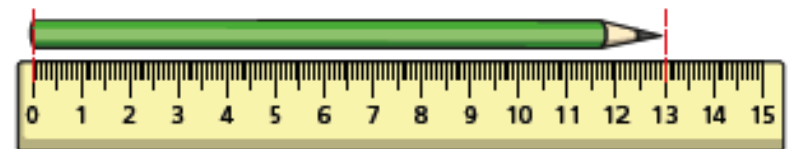2   Mo measures his pencil at the start of Year 2, halfway through Year 2 and at the end of Year 2

A

B

C

a) Which picture (A, B or C) shows the pencil at the start of Year 2?

Picture __C__

How do you know?

b) What is the difference between the longest and shortest length?

9 cm

3 Jack, Teddy and Aisha buy cards for Dora's birthday.

- Teddy's card is 12 cm high.
- Jack's card is half the height of Teddy's card.
- Aisha's card is 3 cm taller than Teddy's card.

a) What is the height of Jack's card?

6 cm

b) What is the height of Aisha's card?

15 cm

c) What is the difference in height between Jack's card and Aisha's card?

9 cm

4 Kim is 87 cm tall and Huan is 78 cm tall.

Kim is taller than Brett.

Huan is shorter than Brett.

Circle all the heights that Brett could be.

(80 cm)   87 cm   78 cm   (86 cm)

5 The Year 2 classroom is 13 m long.

The Year 3 classroom is 8 m longer than the Year 2 classroom.
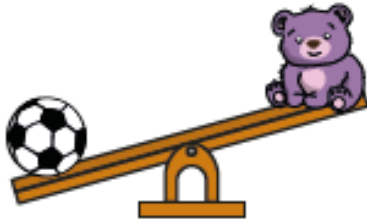
a) How long is the Year 3 classroom?

21 m

b) The Year 4 classroom is 3 m shorter than the Year 2 and Year 3 classrooms together.
How long is the Year 4 classroom?

31 m

Compare mass

White Rose Maths

1 Use the words **heavier** or **lighter** to complete the sentences.
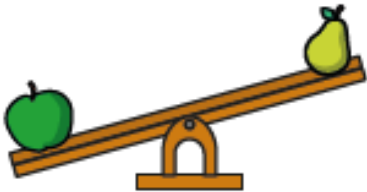
a)

The ball is ___heavier___ than the teddy.
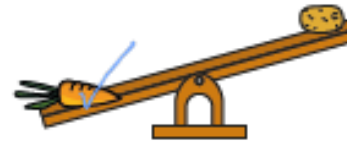
b)

The tiger is ___lighter___ than the lion.

c)

The pear is ___lighter___ than the apple.

The apple is ___heavier___ than the pear.
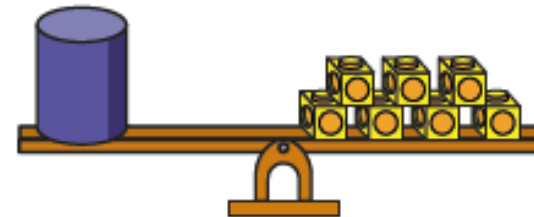
2 Tick the heaviest object on each scale.

a)   b)
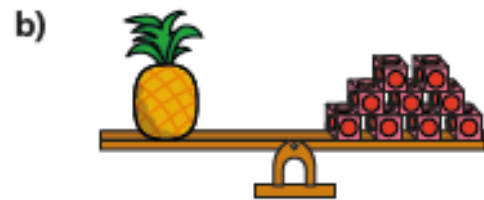
3 What is the mass of each object?

a)

⬜ 7 cubes

b)

⬜ 5 cubes

c) Which object is heavier? ___cylinder___

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4 Which object is heavier?

Tick your answer.

a)

gift ✓ or tin

b)

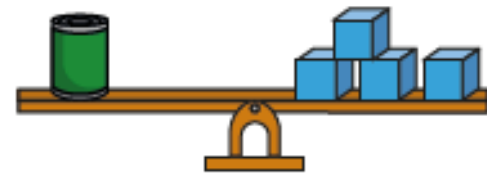pineapple ✓ or apple

5 Kim puts two objects on the scales.

The cube is lighter, because it is smaller.

What mistake has Kim made?

6 Dora balances a tin with blocks.
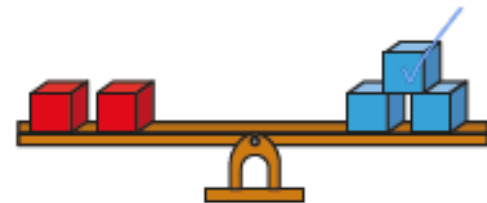

a) Complete the sentence.

1 tin has the same mass as 4 blocks.

b) Explain why these scales do not balance.

7 Which blocks are lighter?

Tick your answer.

Talk about your answer with a partner.

$\frac{1}{2}$ of ? = £26.

Double £26.

Original price = £52.

One possible approach...

Explore what you could buy with £?

What was the original price of the items?

For example:

2 coats and 2 pairs of trousers.
1 coat and 2 pairs of trainers.
1 coat, 1 pair of trainers and 3
pairs of trousers.
etc.

Coat = £20

Trainers = £15

Trousers = £5

Coat = £20
Trainers = £15
Trousers = £5

It will cost Sofia £20 for the
coat and £15 for the trainers.

£35 in total.

Coat = £20
Trainers = £15
Trousers = £5

It will cost Sofia £20 for the coat and
£15 for the trainers.

£35 in total.

Yes because half of £44 is £22 so she will
have enough and £1 change.

Maths Calculation Answers Week 6 Summer 2

Monday	Tuesday	Wednesday
5 x 6 = 30	24 + 53 = 77	35 + 39 = 74
58 − 23 = 35	57 − 26 = 31	30 ÷ 5 = 6
24 ÷ 2 = 12	30 ÷ 10 = 3	7 x 5 = 35
45 + 35 = 80	12 x 2 = 24	80 − 41 = 39
19 + 16 = 35	25 = 12 + 13	47 - 20 = 27
Thursday	**Friday**	
52 − 32 = 20	29 + 36 = 65	
6 x 3 = 18	¼ of 48 = 12	
35 + 31 = 66	5 x 9 = 45	
½ of 46 = 23	51 − 36 = 15	
39 − 18 = 21	½ of 50 = 25	