

Independent Recap

Measurement
Week 9

Year 2

Arithmetic

1. $24 + 11$

2. $? = 75 - 31$

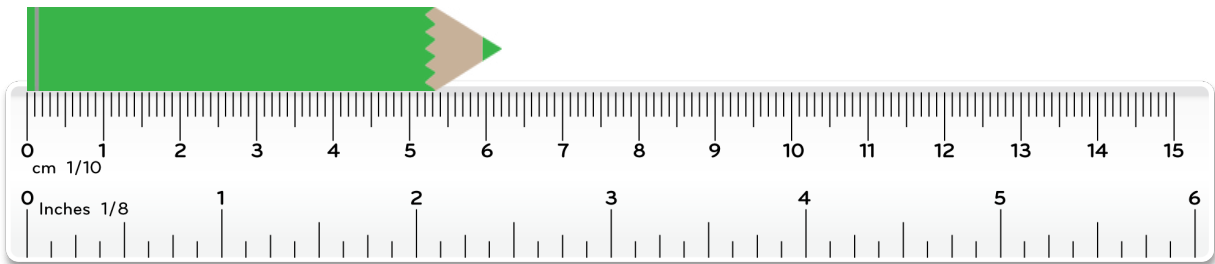
3. $\frac{1}{3}$ of 15

4. $\frac{2}{3}$ of 15

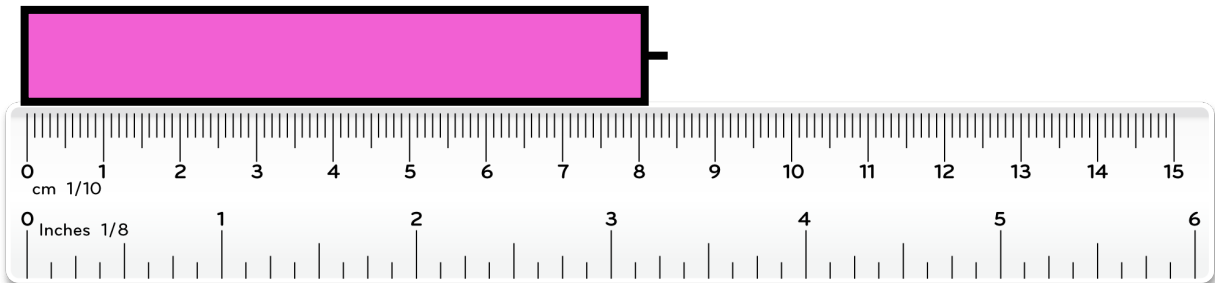


Practice: Measure Length

5. How long is the crayon to the nearest cm?



6. How tall is the candle to the nearest cm?



7. Use a ruler to draw the lines.

a. 6cm long

b. 9cm long

c. 11cm long



You might want to talk to an adult



Use resources to help you



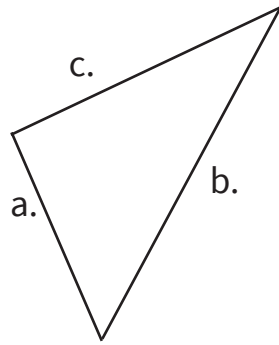
Spot the mistake

8. How long is each side of this triangle to the nearest cm?

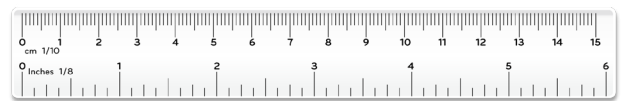
a. cm

b. cm

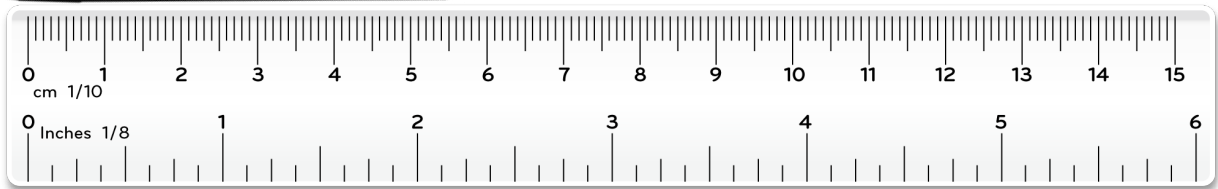
c. cm



9. Why is it important to start measuring from 0cm not 1cm?



10. Killian is measuring his pencil.



What is wrong with how he is measuring?

Challenge

11. Draw two lines that have a difference of:

a. 2cm

b. 5cm

c. 1cm

Answers

Q no.	Question	Answer
1	$24 + 11$	35
2	$? = 75 - 31$	44
3	$\frac{1}{3}$ of 15	5
4	$\frac{2}{3}$ of 15	10
5	How long is the crayon to the nearest cm?	6cm
6	How tall is the candle to the nearest cm?	8cm
7	Use a ruler to draw the lines.	Lines drawn correctly.
8	How long is each side of this triangle to the nearest cm?	a. 3cm, b. 5cm, c. 4cm
9	Why is it important to start measuring from 0cm not 1cm?	Pupils may find the idea of starting at 0 challenging, especially if they use number lines that start at 1. Pupils need to understand that by starting at 0cm, they measure from nothing to the end of their line or object. Pupils may notice that there are mm on their ruler. If they started at 1cm, they would miss out on 10mm, by starting on 0cm they will not miss any measurements.
10	What is wrong with how he is measuring?	Killian has started from the end of the ruler, not 0cm. This is inaccurate as measures should always be taken from 0 (cm, mm etc).
11	Draw two lines that have a difference of: a. 2cm b. 5cm c. 1cm	Accept answers that show two lines with a difference of 2cm, 5cm and 1cm. Pupils should use a ruler to measure their lines, therefore the lines should be straight.

Arithmetic

1. $50 \div 2$

2. $39 + 28$

3. $61 - 30$

4. 5×3



Practice: Compare Length

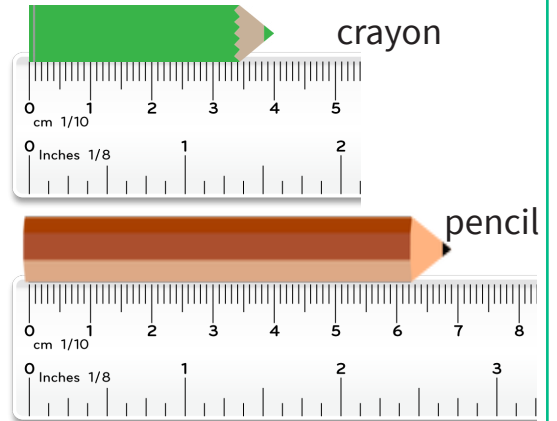
5. Choose a word to complete the sentences.
shorter, longer, shortest, longest

The crayon is than the pencil.

The pencil is than the crayon.

The pencil is the

The crayon is the



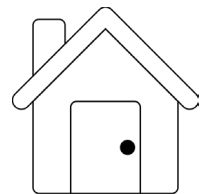
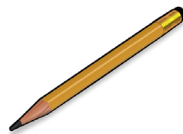
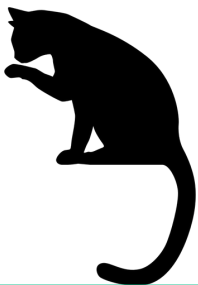
6. Use $<$ $>$ or $=$ to compare these lengths.

23cm 27cm

19m 19cm

1m 100cm

7. Would you measure these things using centimetres or metres?





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Use resources to help you



Spot the mistake

8. Write a length in each box to make the statement correct.

a. > 14cm

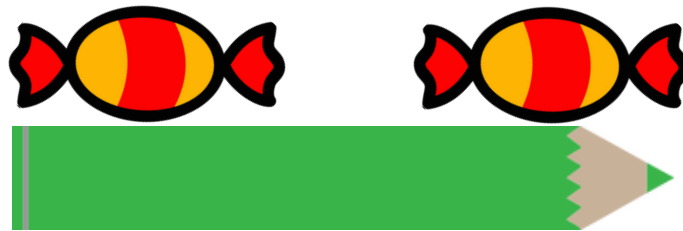
b. 24cm =

c. 1m < cm

9. Which is longer
1cm or 1m?

Explain your answer.

10. Khalil says two sweets are the same length as one pencil.



Explain Khalil's mistake.

Challenge

11. Complete the number sentences.

a. 3cm < cm

b. 7cm > cm

Could there be different answers to a and b?

Explain your answer.

Answers

Q no.	Question	Answer
1	$50 \div 2$	25
2	$39 + 28$	67
3	$61 - 30$	31
4	5×3	15
5	Choose a word to complete the sentences.	a. Shorter, b. Longer, c. Longest, d. Shortest
6	Use < > or = to compare these lengths.	a. <, b. >, c. =
7	Would you measure these things using centimetres or metres?	Cat – cm, Ball – cm, Pencil – cm , Person – m, Building - m
8	Write a length in each box to make the statement correct.	a. And length over 15cm, b. 24cm, c. Any length over 101cm
9	Which is longer 1cm or 1m? Explain your answer.	1m is longer as it is the same as 100cm. Pupils may need to see two rulers/ items, one showing 1cm and one showing 1m to clearly see the difference.
10	Explain Khalil's mistake.	Khalil has left a large gap between the two sweets. By doing this, he has not accurately compared the different items.
11	Complete the number sentences. Could there be different answers to a and b? Explain your answer.	a. Accept answers larger than 3cm b. Accept answers smaller than 7cm There could be a range of answers to complete these number sentences as shown above.

Arithmetic

1. $? = 34 + 34$

2. $3 + 3 + 3$

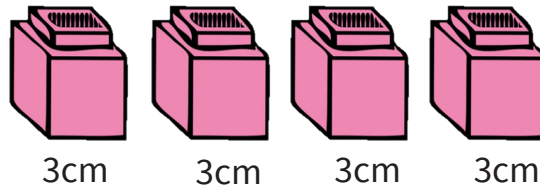
3. $? - 20 = 43$

4. $6 \times ? = 12$



Practice: Four Operations with Length

5. John has 4 bricks that are each 3cm long.

How long are all the bricks altogether?

6. Betty and Ben both baked a cake.
-
- Betty's cake is 16cm high.
-
- Ben's cake is half the height of Betty's cake.

Ben's cake is cm.

7. Solve the calculations.

a. $58\text{cm} - 29\text{cm} = \text{ } \text{cm}$

b. $62\text{cm} \div 2 = \text{ } \text{cm}$

c. $9\text{m} + 4\text{m} + \text{ } \text{m} = 19\text{m}$

You might want
to talk to an adultUse resources
to help you

Spot the mistake

8. This teddy bear is 48cm high.



This teddy is 71cm high.



What is the difference in height between the teddies?

9. Match the words to the correct operation

+

altogether

-

half

x

double

÷

less than

total

difference

10. $7\text{cm} + 8\text{cm} + \boxed{15}\text{cm} = 20\text{cm}$

Is the number in the box right?

Explain why/ why not.

Challenge

11. Sandy's tower is 20cm tall. Jorja's tower is half as tall as Sandy's tower. Elmer's tower is three times as tall as Jorja's tower. Libbi's tower is 12cm more than Elmer's tower.

What is the height of each person's tower?

Sandy

Jorja

Elmer

Libbi

What is the total height of the towers?

Answers

Q no.	Question	Answer
1	$? = 34 + 34$	68
2	$3 + 3 + 3$	9
3	$? - 20 = 43$	63
4	$6 \times ? = 12$	2
5	How long are all the bricks altogether?	$3\text{cm} + 3\text{cm} + 3\text{cm} + 3\text{cm} = 12\text{cm}$
6	How tall is Ben's birthday cake?	8cm
7	Solve the calculations.	a. 29cm, b. 31cm, c. 6m
8	What is the difference in height between the teddies?	$71\text{cm} - 48\text{cm} = 23\text{cm}$
9	Match the words to the correct operation	$+$ = altogether and total, $-$ = less than, difference, \times = double, \div = half
10	Is the number in the box right? Explain why/why not.	The number 15cm is incorrect. This number has been found by adding 7cm and 8cm, showing a misunderstanding of the number sentence. This indicates that the pupil completing the question does not understand the meaning of the = sign. The correct answer is 5cm
11	What is the height of each person's tower? What is the total height of the towers?	Sandy - 20cm Jorja - 10cm Elmer - 30cm Libbi - 42cm Total height - 102cm or 1m 2cm

Arithmetic

1. $65 + 25$

2. $\frac{1}{2}$ of 14

3. $43 - 29$

4. $10 \div 1$



Practice: Compare Mass

5. Circle the heavier object.

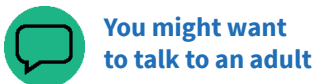
6. Use the words heavier or lighter to complete the sentences.

a. The toy car is than the teddy.

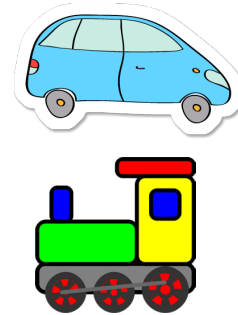
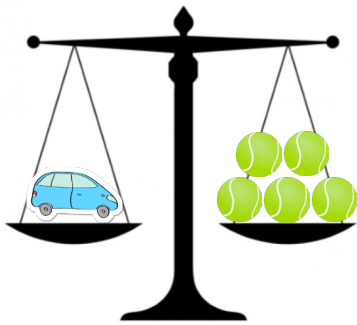
b. The teddy is than the toy car.

7. What is the mass of the object?

1 tin = balls



8. Circle the heaviest object.



9. Look at the scale.



Explain how you know the cookie is heavier than the strawberries

10. Lisa says the doughnut is equal to 5 cubes.



Is Lisa right?

Explain your answer.

Challenge

11.



How many cubes do 3 cherries weigh?

Show how you found your answer.

Answers

Q no.	Question	Answer
1	$65 + 25$	90
2	$\frac{1}{2}$ of 14	7
3	$43 - 29$	14
4	$10 \div 1$	10
5	Circle the heavier object.	Circle the book, cat and bananas.
6	Use the words heavier or lighter to complete the sentences.	a. Heavier, b. lighter
7	What is the mass of the objects?	4 balls
8	Circle the heaviest object.	Circle the train
9	Explain how you know the cookie is heavier than the strawberries.	The cookie is the same as three strawberries, we know this because the scales are balanced. This tells us that one strawberry would be the same as $\frac{1}{3}$ of a cookie. This means that 1 whole cookie is heavier than 1 strawberry.
10	Is Lisa right? Explain your answer.	Lisa is incorrect. If the doughnut was equal to 5 cubes, the scales would be balanced. The doughnut is heavier than 5 cubes.
11	How many cubes do 3 cherries weigh? Show how you found your answer.	If 4 cubes = 2 strawberries then 2 cubes = 1 strawberry. As 1 strawberry = 3 cherries, 2 cubes = 3 cherries.