



Year Five Maths Lesson 4



Fluency Starter

- Keep up your daily practice of 5 a day <https://corbettmathsprimary.com/5-a-day/> and challenge yourself to Bronze, Silver, Gold or Platinum!
- Or Complete Flashback 4 for your daily starter (on the next slide).
- Log on to Doodlemaths for 15 minutes each day and try and keep in the Green Zone.
- There are also some Maths activities on Purple Mash to complete.

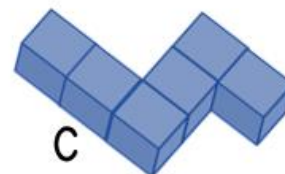
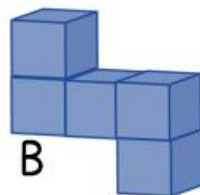
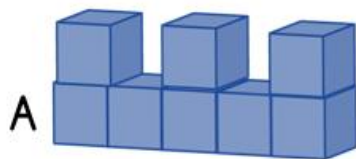


Fluency Starter

Flashback 4

Year 5 | Week 11 | Day 4

- 1) Put the shapes in ascending order of volume.



- 2) $\frac{1}{4}$ of an hour is equal to minutes.
- 3) How many km are the same as 3,217 m?
- 4) What number comes next in the sequence?
879, 889, 899, _____

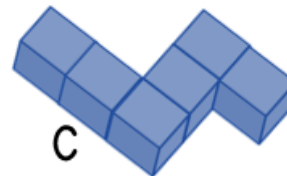
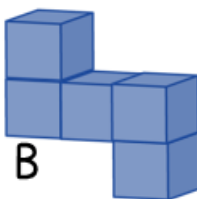
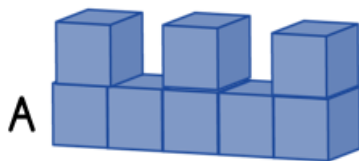


Fluency Starter Answers

Flashback 4

Year 5 | Week 11 | Day 4

- 1) Put the shapes in ascending order of volume.



B, C, A

- 2) $\frac{1}{4}$ of an hour is equal to 15 minutes.

- 3) How many km are the same as 3,217 m?

3.217 km

- 4) What number comes next in the sequence?

879, 889, 899, 909

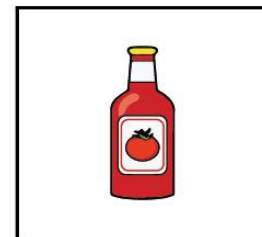
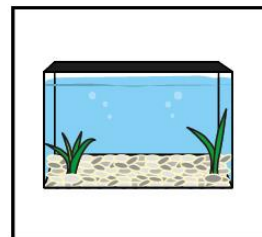
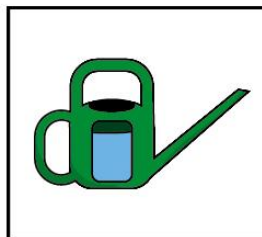
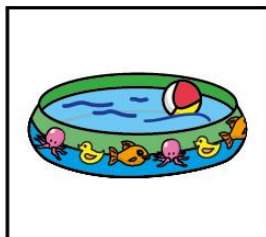


Lesson Aims

- I can estimate capacity

Estimate capacity

1 Match the container to its approximate capacity.



250 ml

500 ml

1 litre

5 litres

10 litres

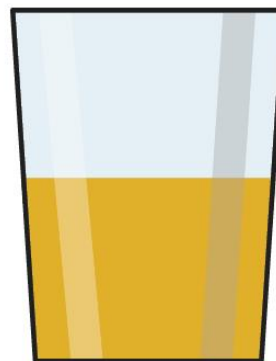
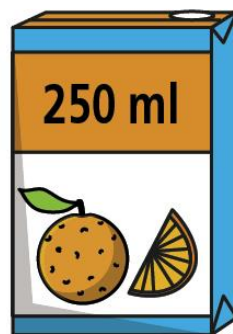
How did you decide? Talk about it with a partner.



2

Dora has a small carton of juice.

She pours the full carton of juice into a glass.



Estimate the capacity of the glass.

capacity \approx ml

Compare your estimate with a partner's.





- 3 Teddy has a bottle of water.
He pours the full bottle of water into a jug.



Estimate the capacity of the jug.

Give your answer in both millilitres and litres.

capacity \approx ml

capacity \approx l

Compare your estimates with a partner's.



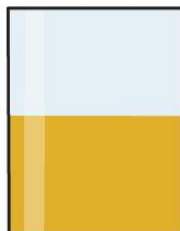


4

Each glass contains 200 ml of juice.

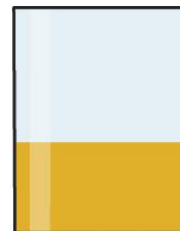
Estimate the capacity of each glass.

a)



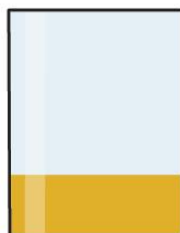
capacity \approx ml

c)



capacity \approx ml

b)



capacity \approx ml

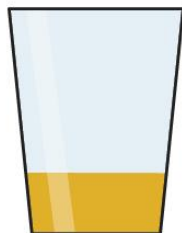
d)



capacity \approx ml

4

e)



capacity \approx ml

f)



capacity \approx ml

Compare your estimates with a partner's.

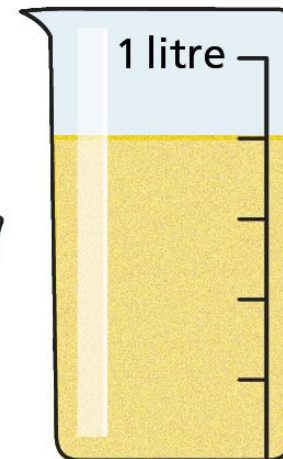
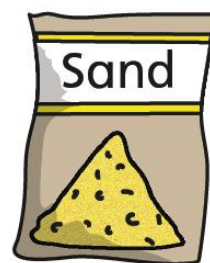




5 Dexter is filling a beaker with sand.



So far I
have poured five full
bags of sand into
the container.



Estimate the capacity of one of the bags.

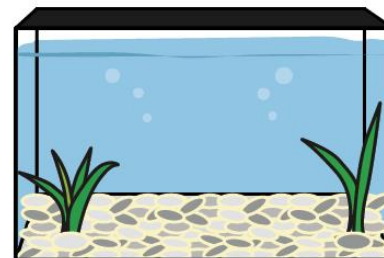
capacity \approx ml

6

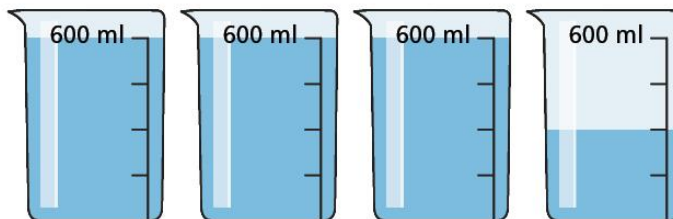
Whitney is estimating the capacity of a fish tank.
She has 9 full bottles of water.



I used the water
from 8 full bottles to fill
the fish tank.



Whitney empties the 9th bottle into jugs to help her work out the capacity of the tank.



Estimate the capacity of the fish tank.

Give your answer in litres.

 litres

Is the actual capacity likely to be more or less than your estimate?





Fluency Activity

- See activity sheet Day 4
- Complete as many questions as you are able.

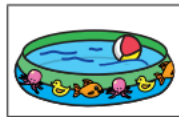


Fluency Activity Answers

Estimate capacity

White
Rose
Maths

1 Match the container to its approximate capacity. e.g.



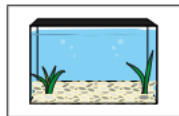
250 ml



500 ml



1 litre



5 litres



10 litres

2 Dora has a small carton of juice.
She pours the full carton of juice into a glass.



Estimate the capacity of the glass.

capacity = 500 ml

Compare your estimate with a partner's.

3 Teddy has a bottle of water.
He pours the full bottle of water into a jug.



Estimate the capacity of the jug.

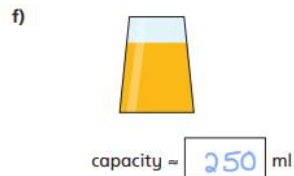
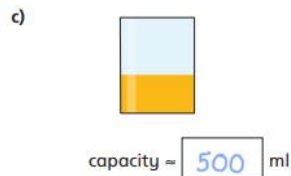
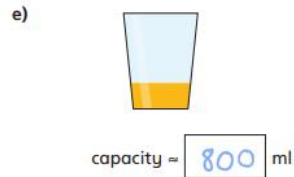
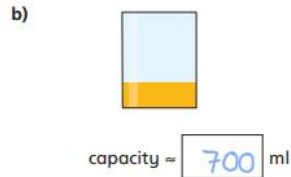
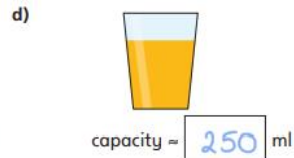
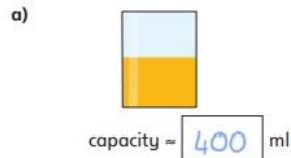
Give your answer in both millilitres and litres.

capacity = 2,000 ml capacity = 2 l



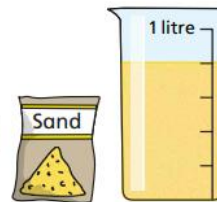
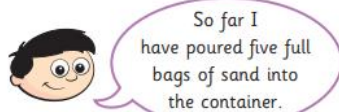
Fluency Activity Answers

- 4 Each glass contains 200 ml of juice.
Estimate the capacity of each glass.



Compare your estimates with a partner's.

- 5 Dexter is filling a beaker with sand.



Estimate the capacity of one of the bags.

capacity = **160** ml

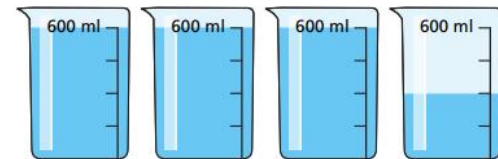
- 6 Whitney is estimating the capacity of a fish tank.
She has 9 full bottles of water.



I used the water from 8 full bottles to fill the fish tank.



Whitney empties the 9th bottle into jugs to help her work out the capacity of the tank.



Estimate the capacity of the fish tank.

Give your answer in litres.

$$2.1 \text{ L} \times 8 = 16.8 \text{ L}$$

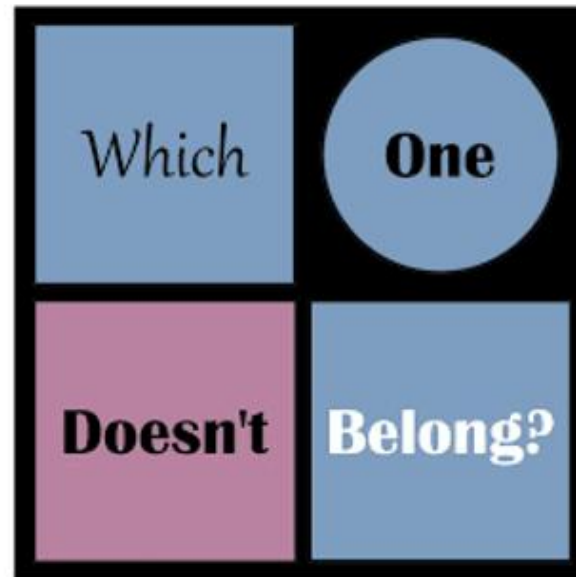
16.8 litres

Is the actual capacity likely to be more or less than your estimate?

- 7 Estimate the capacity of objects in your classroom.
Compare answers with a partner.



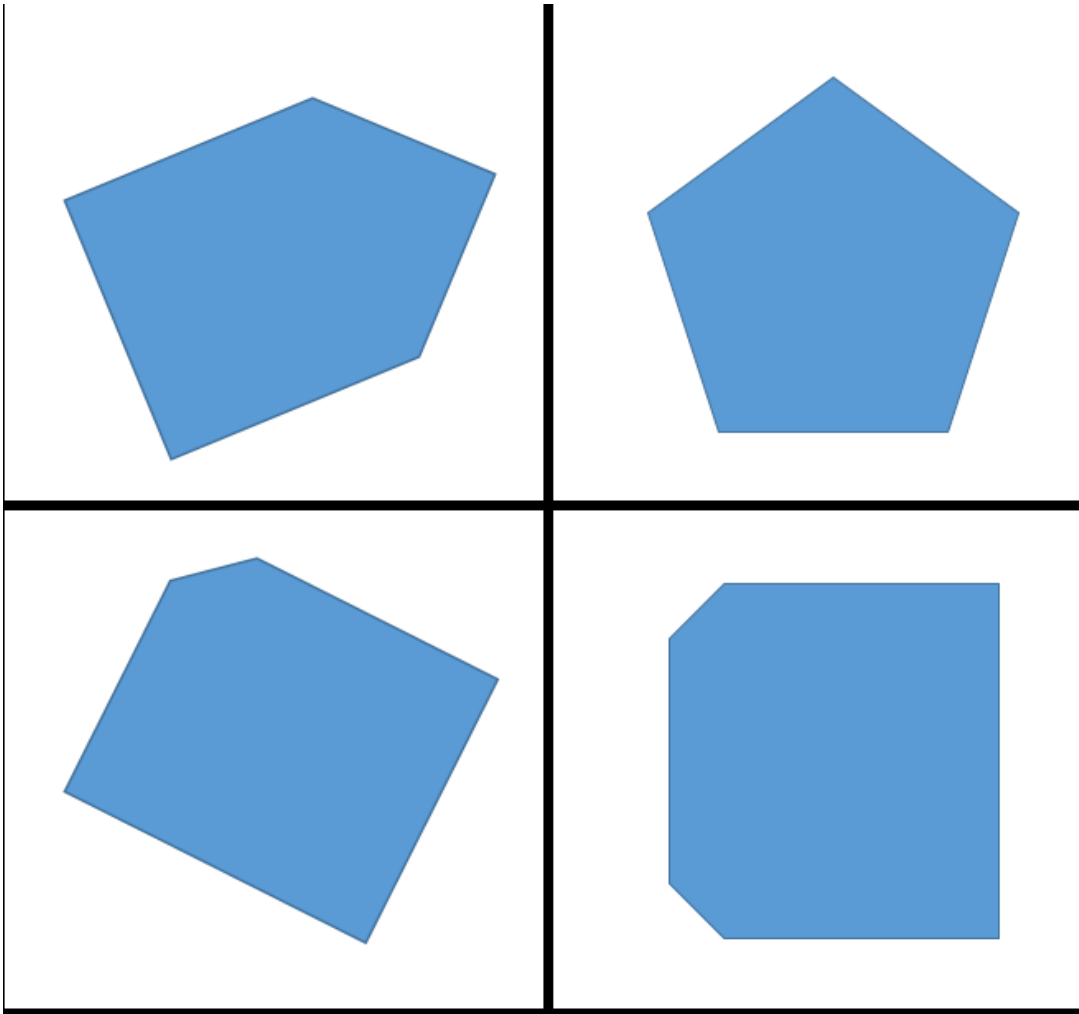
Problem Solving





Problem Solving

- How many ways can you find?





Problem Solving

- How many different ways did you find?
- Can you explain your reasoning?