

**1. Kayla and Ben mix purple paint.**

Kayla mixes 2 litres of red with 6 litres of blue.

Draw Kayla's mixture.



Ben mixes 100 millilitres of red paint with 300 millilitres of blue paint.

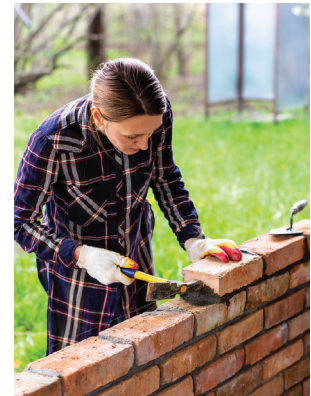
Draw Ben's mixture.

Whose mixture is the darkest shade of purple?

**2. Anya and Stan mix cement with sand to make mortar for laying bricks.**

Anya mixes 8 spadefuls of sand with 2 spadefuls of cement.  
She adds water to make the mortar.

Draw Anya's ratio for mortar.



Stan mixes 9 spadefuls of sand with 3 spadefuls of cement.  
He also uses water to make the mortar.

Draw Stan's ratio for mortar.



Cement makes the mortar stronger.

Whose ratio makes the strongest mortar, Anya's, or Stan's?

**3. Marley and Dave mix concentrate and water to make carwash liquid.**

Marley mixes 50 mL of concentrate into a bucket with 950mL of water.

Draw Marley's ratio of concentrate to water.



Davey mixes 150mL of concentrate with 3 litres of water.

Draw Davey's ratio.

Whose carwash mixture is most concentrated, Marley or Davey?



**4. Aroha and Sami each buy a bag of jellybeans.**

Aroha's bag contains 64 jellybeans and 16 of them are black.

What is the ratio of black beans to other colours?

Sami's bag has 100 jellybeans and 20 of them are black.

What is the ratio in Sami's bag?



Whose bag has the greatest concentration of black jellybeans?