Corbettmαths
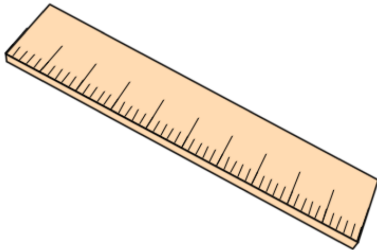
Adding Fractions: Different Denominators

Tips
- Read each question carefully
- Attempt every question.
- Check your answers seem right.
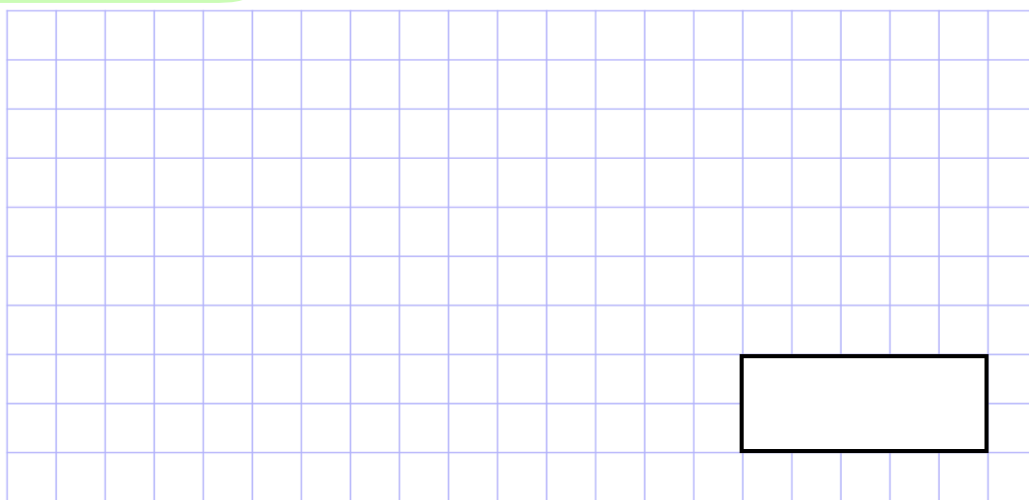- Always show your workings

Recap

Remember
- There are daily questions found at
  www.corbettmathsprimary.com/5-a-day/

1. $\dfrac{2}{3}$ **+** $\dfrac{1}{6}$

2. $\dfrac{3}{8}$ **-** $\dfrac{1}{4}$
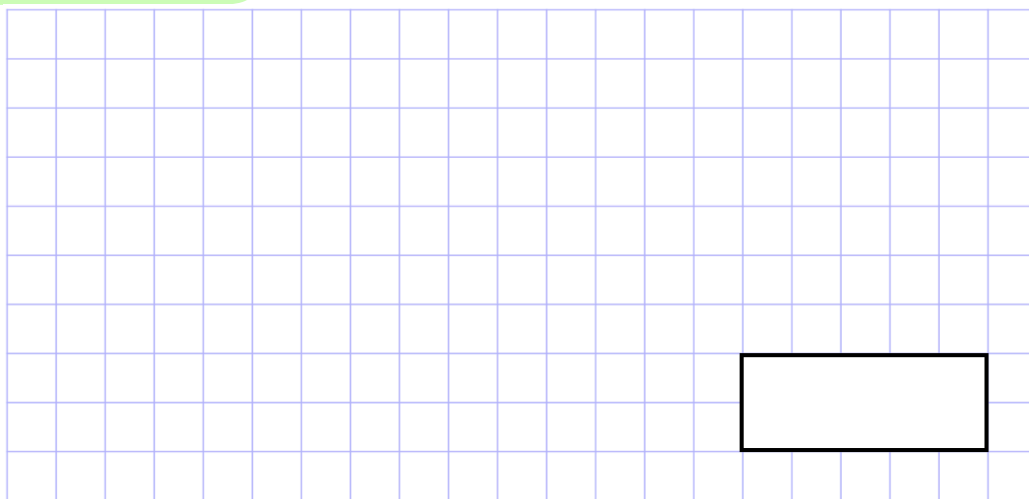
3. $\dfrac{7}{20}$ **+** $\dfrac{2}{5}$

4.
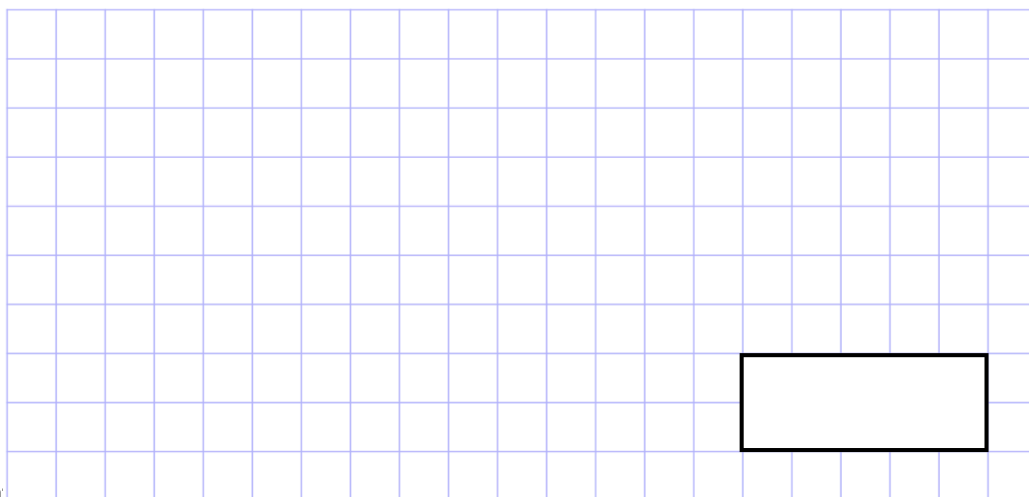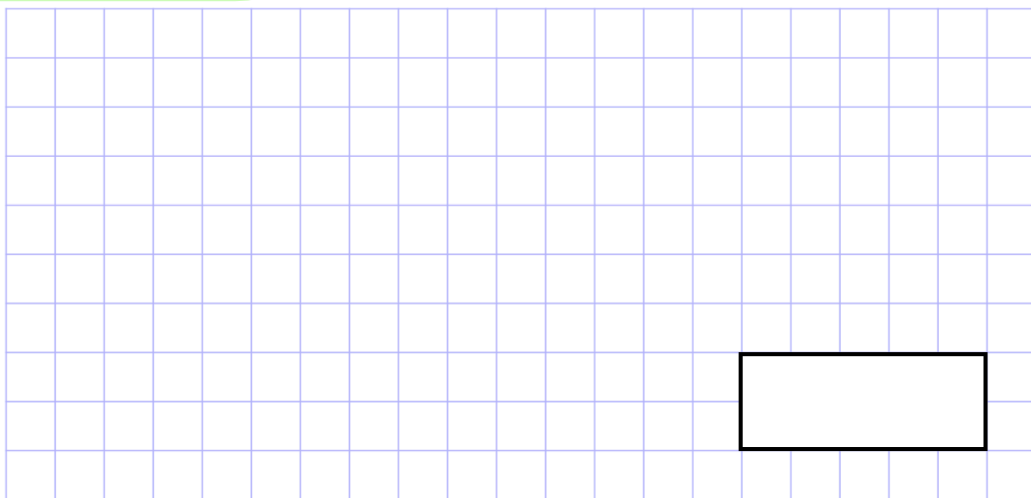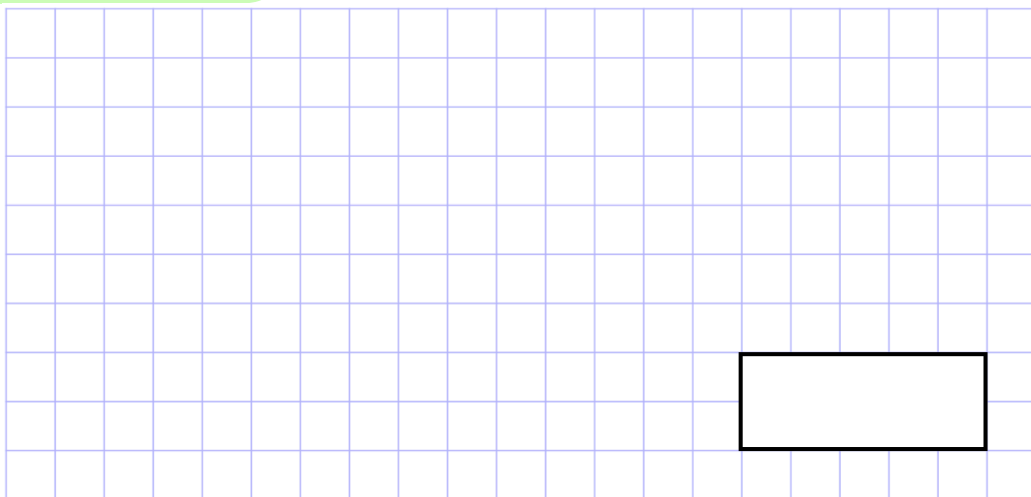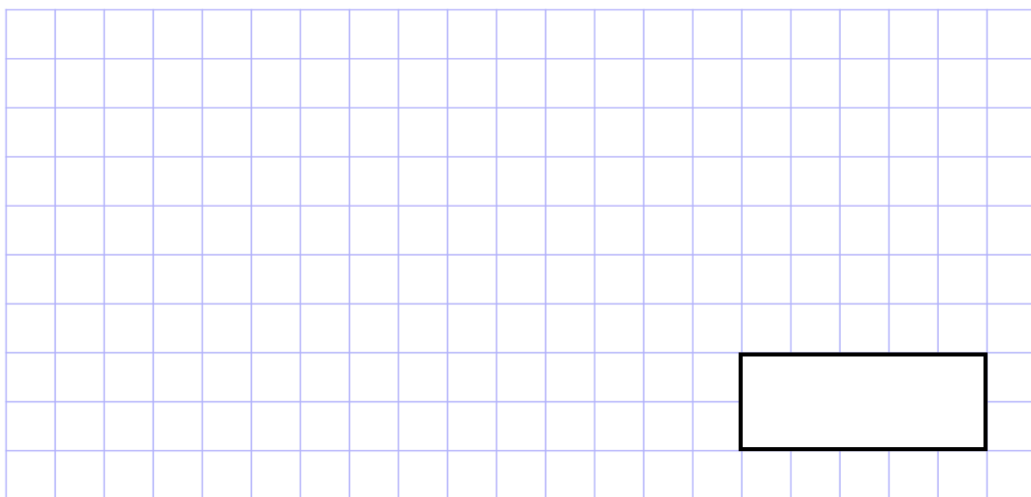$$\frac{11}{18} + \frac{1}{6}$$

5.
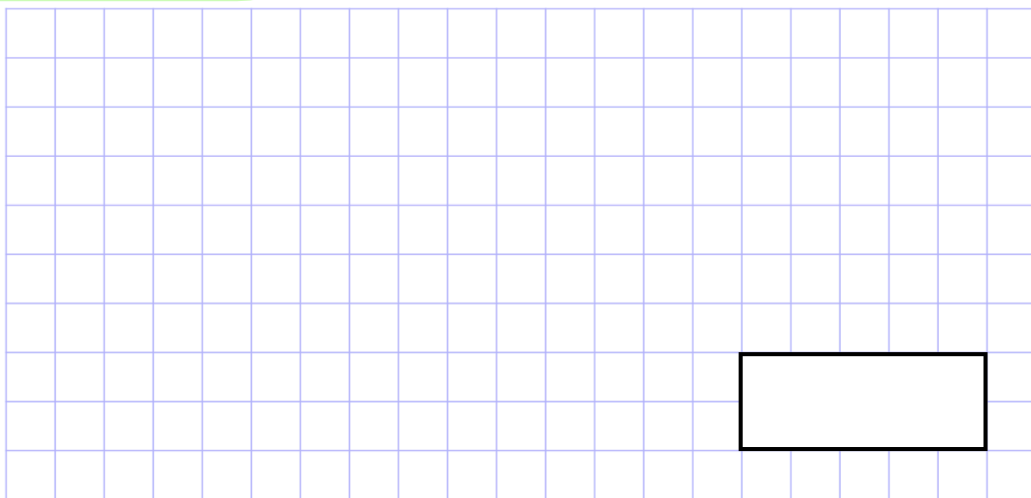$$\frac{7}{15} - \frac{1}{5}$$
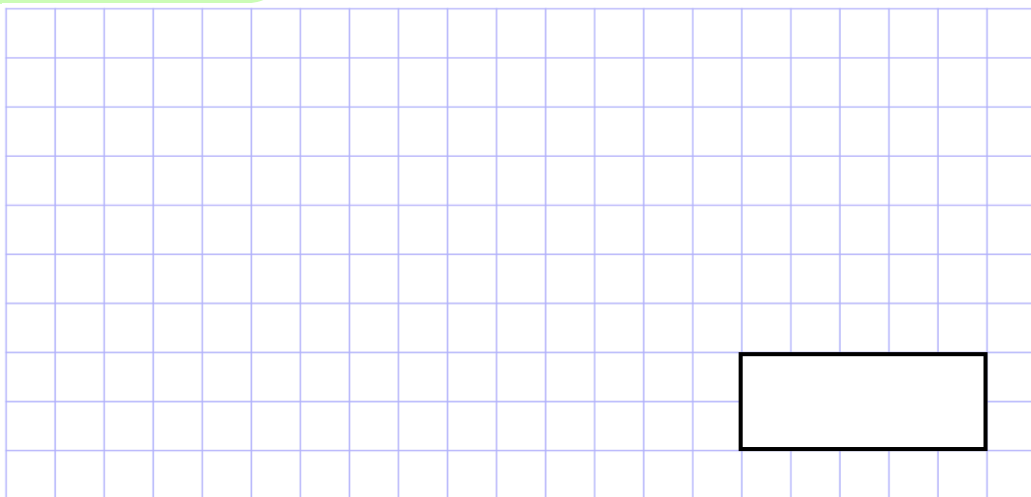
6.
$$\frac{39}{100} - \frac{7}{20}$$

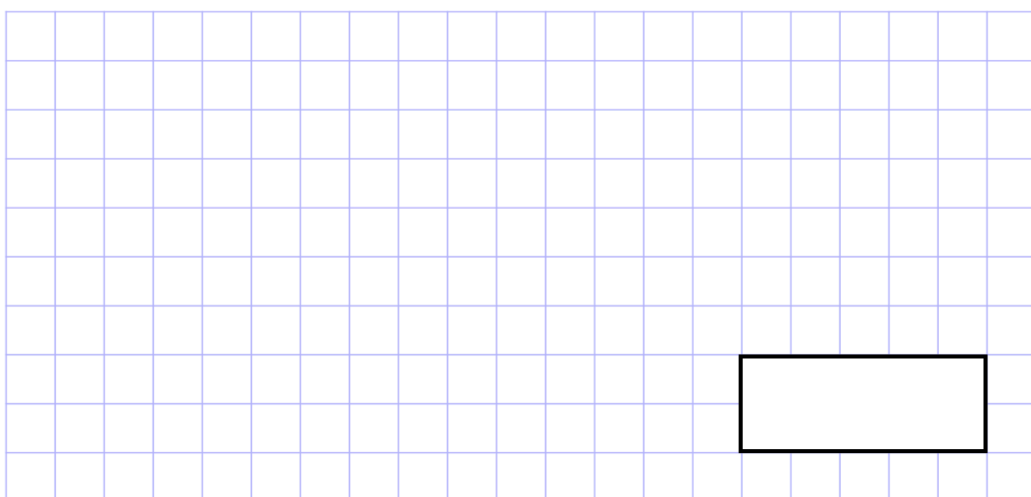7. $$\frac{1}{2} \ + \ \frac{2}{5}$$
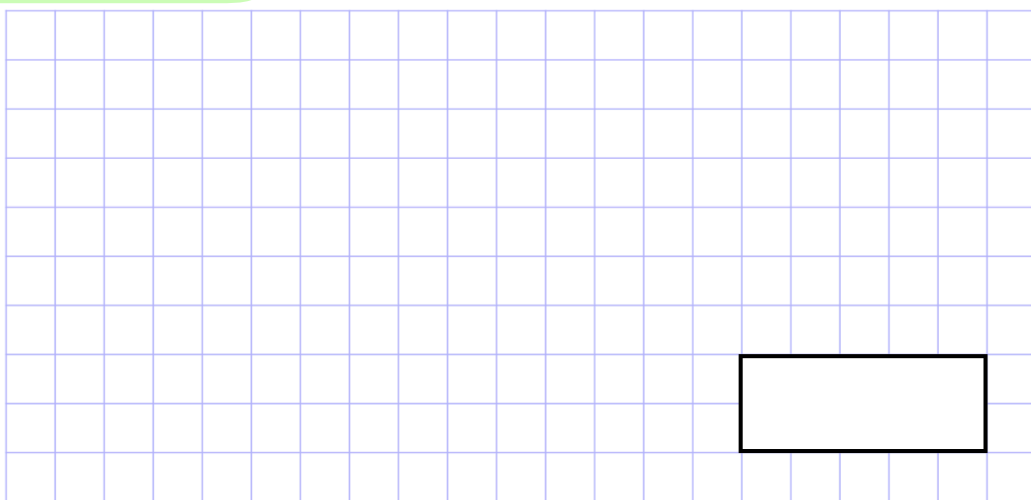
8. $$\frac{1}{3} \ + \ \frac{1}{2}$$
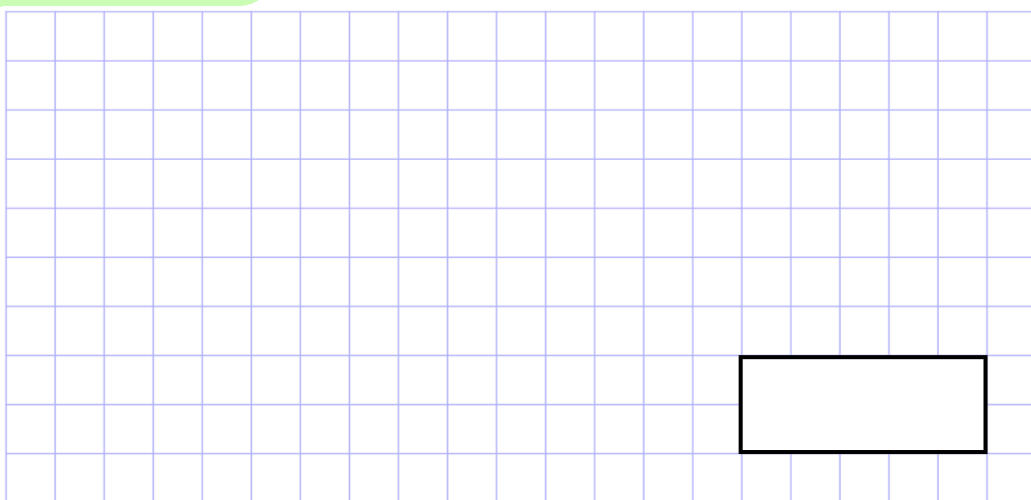
9. $$\frac{4}{5} \ - \ \frac{2}{3}$$
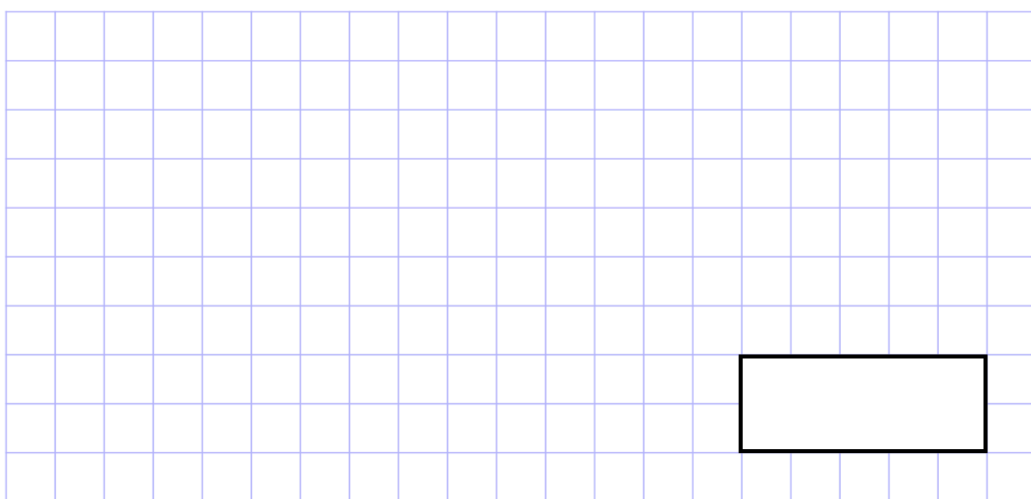
10. $\dfrac{5}{11} + \dfrac{1}{4}$

11. $\dfrac{3}{4} - \dfrac{2}{5}$

12. $\dfrac{8}{9} - \dfrac{3}{5}$

13. $\dfrac{1}{2}$ of the cars in a car park are red

$\dfrac{1}{4}$ of the cars in the car park are blue

What fraction of the cars in car park are red or blue?

14. This week Harry spent $\dfrac{2}{3}$ of his pocket money on a ticket for a match

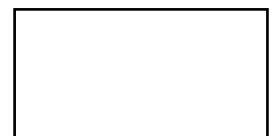He also spent $\dfrac{1}{9}$ of his pocket money on a scarf at the match

What fraction of his pocket money has Harry spent?

15. In a bag, there are green, white and blue counters.

$\dfrac{1}{10}$ of the counters are green.

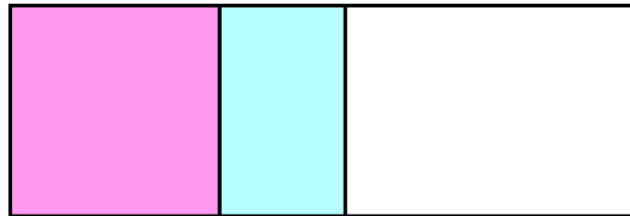$\dfrac{3}{5}$ of the counters are white.
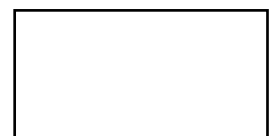
What fraction of the counters are blue?

16. In this rectangle

$\dfrac{1}{3}$ is shaded pink

$\dfrac{1}{5}$ is shaded blue

What fraction of the rectangle is **not shaded**?

17.	In Year 7, the children study one language.

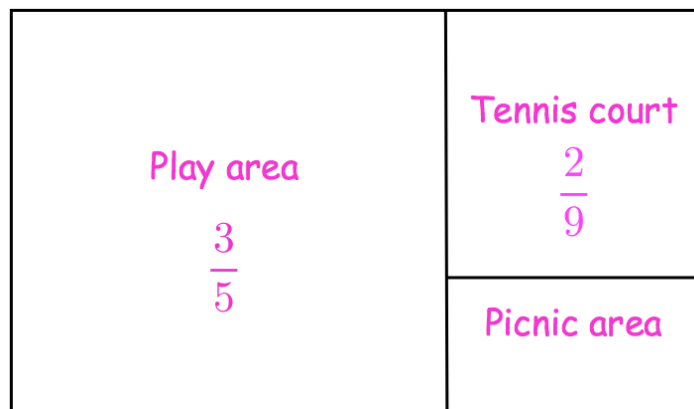They study French, German or Italian.

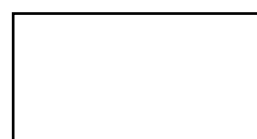$\dfrac{3}{8}$ of the children study French

$\dfrac{1}{6}$ of the children study German

What fraction of the children study Italian?

18. This diagram shows a park.

| Play area $\dfrac{3}{5}$ | Tennis court $\dfrac{2}{9}$ |
| | Picnic area |

Work out the fraction of the park that is the picnic area

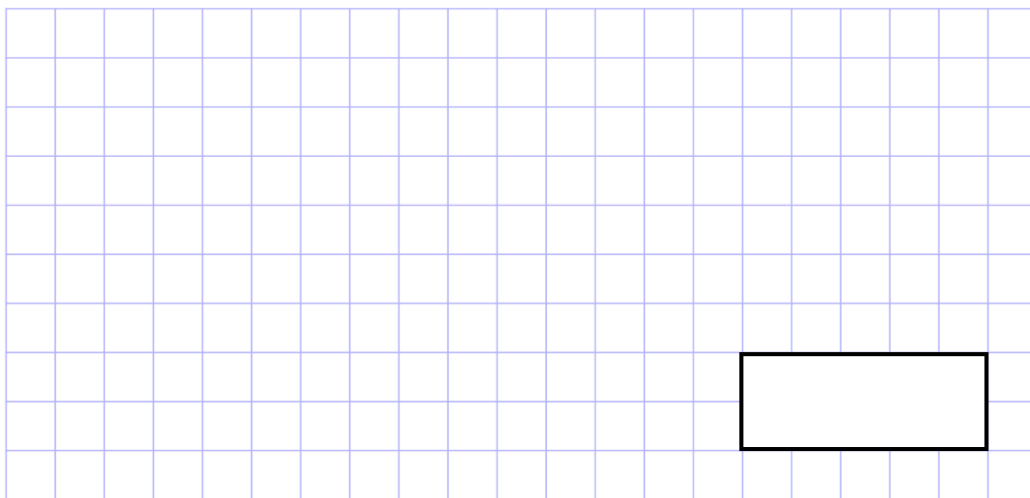19. Yasmin has a bottle that contains $\dfrac{7}{10}$ litre of orange juice.

She pours out some orange juice and now has $\dfrac{1}{4}$ litre left.
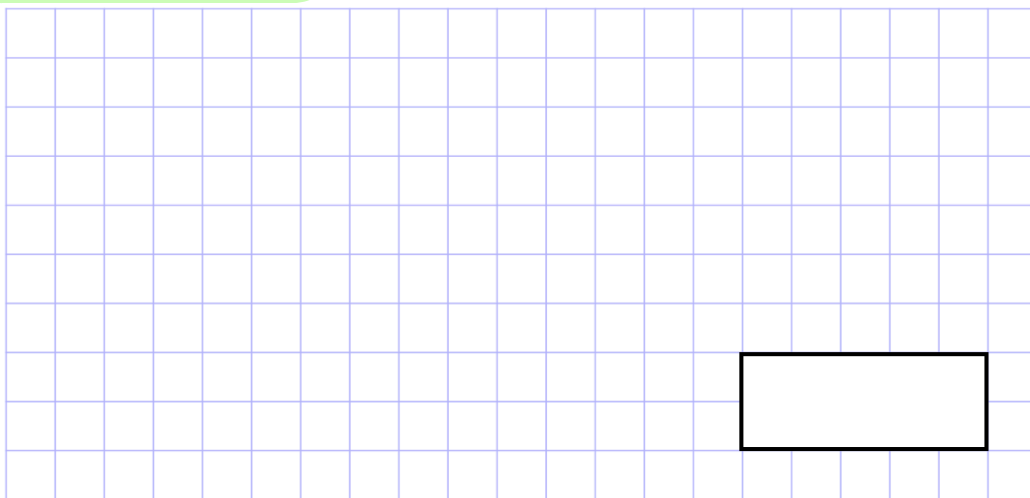
How much orange juice did Yasmin pour out?
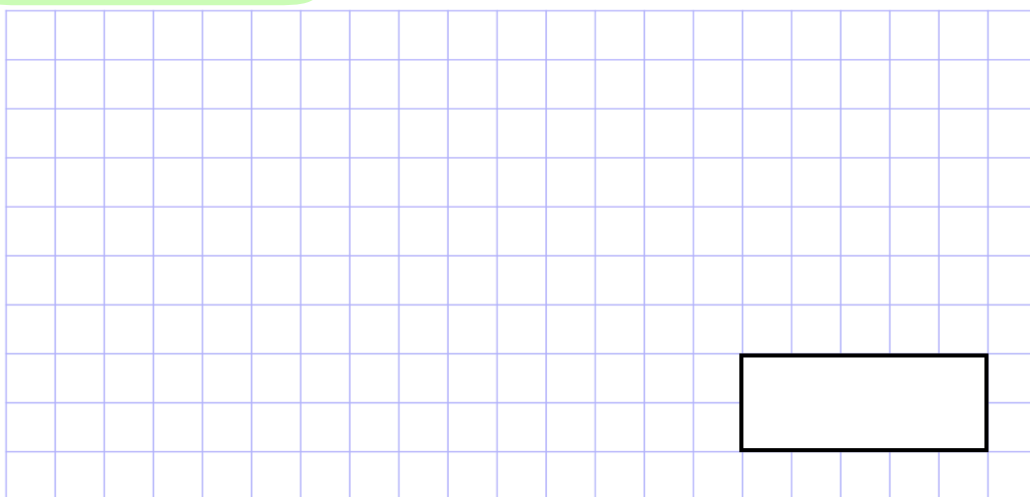
20. $\dfrac{1}{3}$ **+** $\dfrac{1}{5}$ **+** $\dfrac{1}{10}$

21. $\dfrac{3}{4}$ **+** $\dfrac{11}{12}$
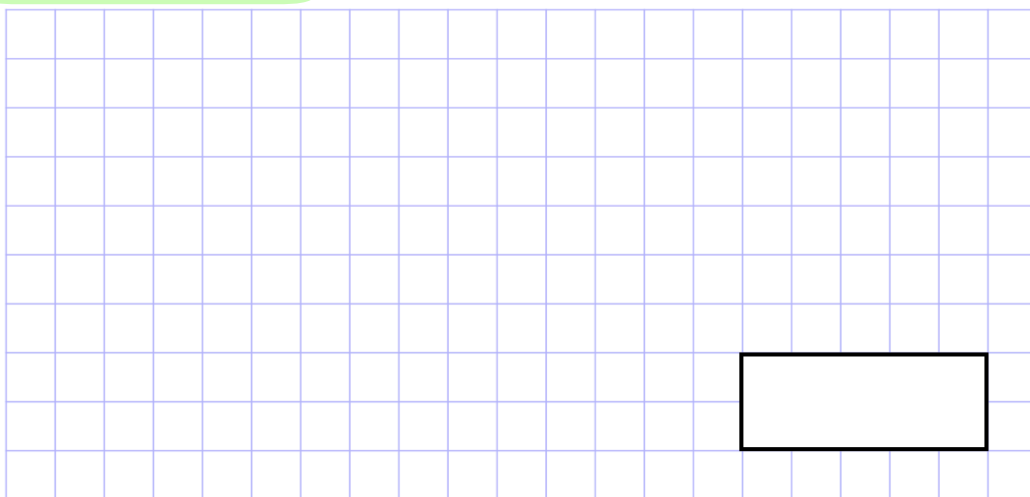
22. $1\dfrac{1}{3}$ **-** $\dfrac{1}{2}$

23. $2\dfrac{1}{4}$ **+** $\dfrac{5}{8}$

24.

$$5\frac{2}{5} \quad - \quad 1\frac{8}{9}$$
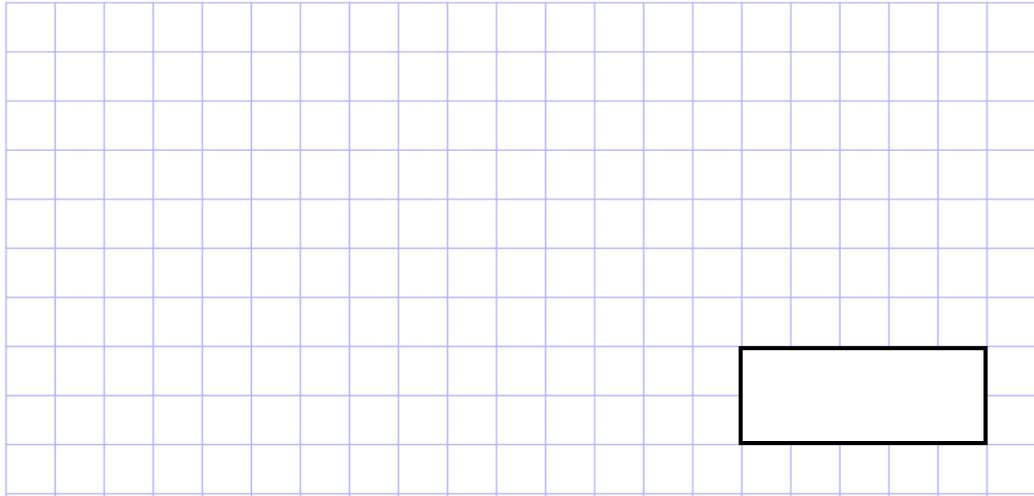
25.   The numbers in this sequence increase by the same amount each time.
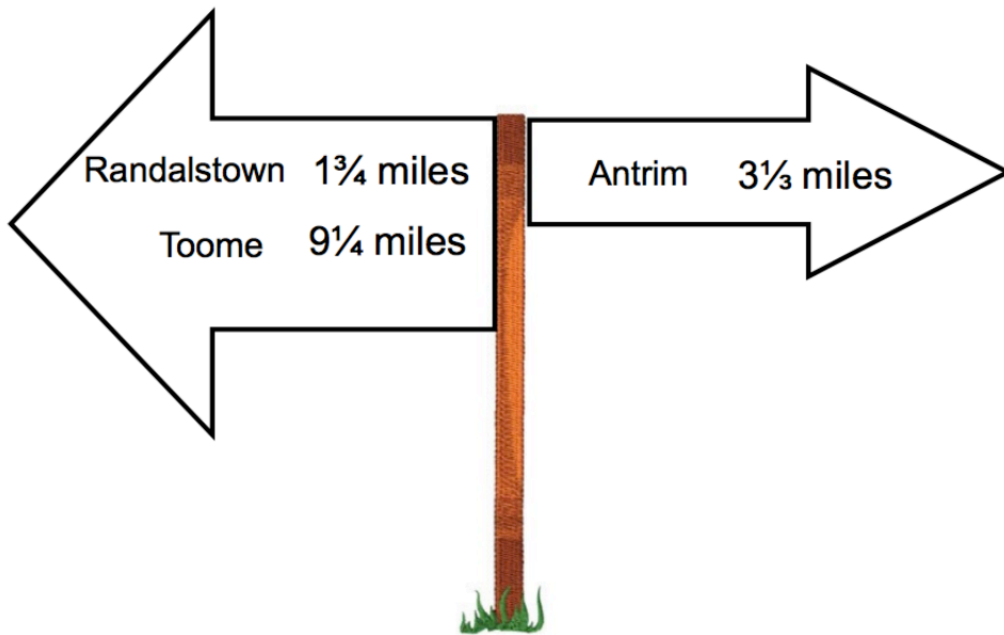
| | $1\frac{1}{2}$ | $2\frac{2}{3}$ | $3\frac{5}{6}$ | |

Write the missing numbers

26.   Kayleigh is walking from Antrim to Randalstown

Randalstown   1¾ miles

Toome   9¼ miles

Antrim   3⅓ miles

Work out the distance from Antrim to Randalstown

miles