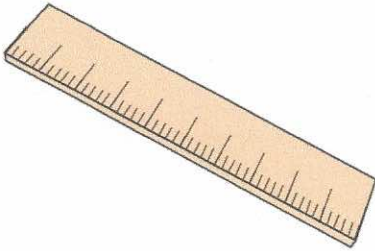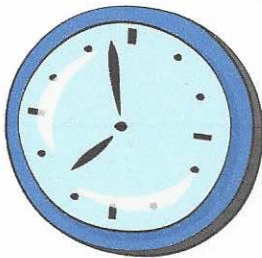Corbettmaths

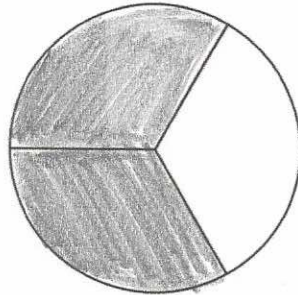# Fractions, Decimals and Percentages

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.corbettmaths.com/5-a-day/primary

1. Shade $\dfrac{2}{3}$ of this diagram

2. What fraction of this diagram is shaded?
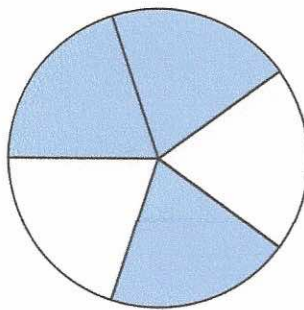
$$\dfrac{3}{5}$$

3. Shade 50% of this diagram

4. Mike got 25% of the questions right on a test.

What fraction of the questions did he get right?

$\dfrac{1}{4}$

5. Write 0.5 as a percentage

50 %

6. Shade $\dfrac{5}{9}$ of this diagram
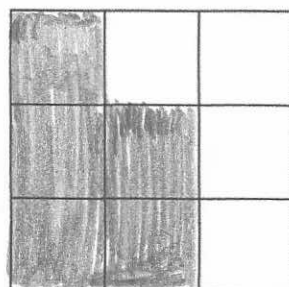
7. Fill in the missing values

Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	50%
$\frac{1}{4}$	0.25	25%
$\frac{1}{5}$	0.2	20%
$\frac{1}{10}$	0.1	10%

8. Tick the **two** numbers that are equivalent to $\frac{3}{4}$

75% ☑

$\frac{34}{100}$ ☐

0.75 ☑

$\frac{4}{5}$ ☐

34% ☐

9. Write 0.8 as a percentage

80 %

10. Write 30% as a fraction

$\frac{30}{100}$

$\frac{3}{10}$

11. Write $\frac{2}{5}$ as a decimal

0.4

12. Write $\frac{7}{10}$ as a percentage

70 %

13. Tick the **two** numbers that are equivalent to $\dfrac{3}{5}$

35% ☐
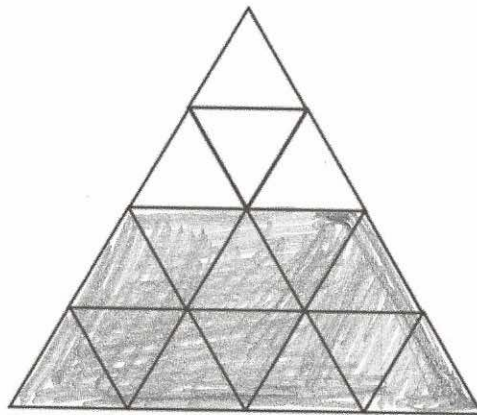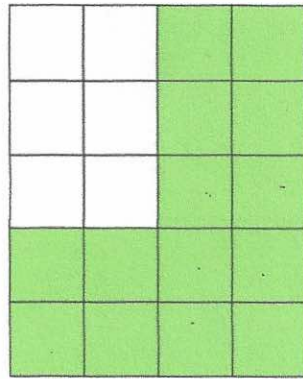
$\dfrac{30}{50}$ ☑

0.35 ☐

0.6 ☑

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14. Shade 75% of this diagram

75 % of 16 = 12

15. What fraction of this diagram is shaded?

$\frac{14}{20}$

$\frac{7}{10}$

16. In a school, $\frac{2}{5}$ of the children wear glasses.

What fraction of the children **do not** wear glasses?

$\frac{3}{5}$

What percentage of the children **do not** wear glasses?

60 %

17. There are 30 sweets in a bag.

20 sweets are red.

What fraction of the sweets are red?

$$\frac{20}{30}$$

$$\boxed{\frac{2}{3}}$$

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18. C O R B E T T M A T H S

What fraction of the letters are the letter T ?

$$\frac{3}{12}$$

$$\boxed{\frac{1}{4}} \text{ or } \frac{3}{12}$$

What fraction of the letters are the letter A ?

$$\boxed{\frac{1}{12}}$$

19. In a town in Cornwall, it rained for 13 days during April. 30 days

What fraction of the days in the month did it rain?

$\dfrac{13}{30}$

20. During a day Madeleine slept for 6 hours

What percentage of the day is Madeleine awake?

$24 - 6 = 18$

$\dfrac{18}{24} = \dfrac{3}{4}$

75 %

21. Danny scored 9 out of 10 in a quiz

✅ ❌

What percentage of the questions did Danny answer correctly?

90 %

22. Write 17% as a fraction

$$\frac{17}{100}$$

23. Write $\dfrac{7}{20}$ as a percentage

$$\frac{7}{20} \quad \begin{array}{c} \times 5 \\ \times 5 \end{array} = \frac{35}{100}$$

$$35 \ \%$$

24. Write $\dfrac{14}{25}$ as a percentage

$$\frac{14}{25} \quad \begin{array}{c} \times 2 \\ \times 2 \end{array} = \frac{28}{50} \quad \begin{array}{c} \times 2 \\ \times 2 \end{array} = \frac{56}{100}$$

$$56 \ \%$$

25. Write $\dfrac{1}{8}$ as a decimal

$$1 \div 8$$

$$\begin{array}{r} 0.125 \\ 8 \overline{) 1.0^{2}0^{4}0} \end{array}$$

$$0.125$$