

# 5 a day!



Fill in the missing numbers.

$$\frac{12}{100} = \square \% \quad \square = 35\%$$

$$\frac{12}{50} = \frac{\square}{100} = \square \% \quad \frac{44}{\square} = \frac{22}{100} = 22\%$$



Bradley says 0.3 is less than 12% because 3 is less than 12.

Explain why Bradley is wrong.



Solve these equations.

$$\frac{3}{5} \times \frac{3}{4} =$$

$$\frac{5}{8} \times \frac{1}{3} =$$

$$\frac{1}{8} \times \frac{1}{12} =$$



Layla says, to find 10% you divide by 10, so to find 50% you divide by 50.

Do you agree? Explain why.



1. What fraction is shaded?

a)   $\frac{1}{3}$

b)   $\frac{3}{1}$

c)   $\frac{1}{4}$

d)   $\frac{3}{4}$



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Solve these equations.

- 50% of 300
- 50% of 60
- 25% of 30
- 10% of 60
- 1% of 300



Solve these equations.

- $8 \times 3 =$
- $8 \times 30 =$
- $4 \times 9 =$
- $4 \times 900 =$
- $7 \times 6 =$
- $600 \times 7 =$



Use  $<$ ,  $>$  or  $=$  to complete the statements:

60%  0.6   $\frac{3}{5}$

0.23  24%   $\frac{1}{4}$

37.6%   $\frac{3}{8}$   0.27



In his first maths test, James scored 38%.  
In the next test he scored .

$\frac{16}{40}$

Did James improve his score?  
Explain your answer.



2. Which shape shows  $\frac{2}{9}$  shaded in?



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*Solve these equations.*

$$60 \times 40 =$$


$$50 \times 90 =$$

$$0.7 \times 6 =$$

$$0.8 \times 5 =$$

$$0.3 \times 0.6 =$$

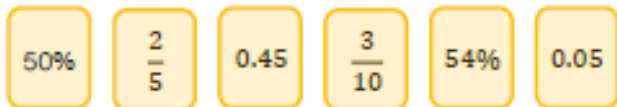


  $5,138 \div 14 = 367$

Use this to calculate  $15 \times 367$



Order from smallest to largest:



*In a maths test, Kurt answered 62% of the questions correctly.*

*Leon answered three fifths of the questions correctly.*

*Who answered more questions correctly?*

*Explain your answer.*



*Callum is adding fractions.*

$$\frac{3}{5} + \frac{1}{15} = \frac{4}{20} = \frac{1}{5}$$

*Do you agree with him?*

*Explain your answer.*

# 5 a day!



Solve these equations.

- 30% of 300
- 80% of 60
- 75% of 30
- 12% of 60
- 1% of 30



Solve these equations.

$$326 \times 47 =$$
$$245 \times 35 =$$
$$235 \times 54 =$$



Solve these equations.

$$\frac{1}{4} \times \frac{1}{5} =$$
$$\frac{1}{5} \times \frac{1}{2} =$$
$$\frac{1}{3} \times \frac{1}{8} =$$



Evie is counting backwards in fifths. She starts at  $3\frac{2}{5}$  and counts back nine fifths.

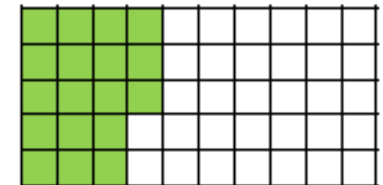
What number does Evie end on?



Lydia thinks that 18% of the grid has been shaded.

Libbie thinks that 36% of the grid has been shaded.

Who do you agree with? Why?



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Complete.

$$70 \div \underline{\quad} = 7 \quad 3.5 \times 10 = \underline{\quad}$$

$$70 \div \underline{\quad} = 3.5 \quad \underline{\quad} = 3.5 \times 20$$

$$70 \div \underline{\quad} = 14 \quad \underline{\quad} = 3.5 \times 2$$



Solve these equations.

$$293 \times 36 =$$

$$254 \times 48 =$$

$$575 \times 63 =$$



Which of these are equivalent to 60%?

$$\frac{60}{100}$$

$$\frac{6}{100}$$

$$0.06$$

$$\frac{3}{5}$$

$$\frac{3}{50}$$

$$0.6$$



Four friends share a pizza. Amy eats 35% of the pizza, Harrison eats 0.4 of the pizza, Finley eats 12.5% of the pizza and Kyla eats 0.125 of the pizza. Write the amount each child eats as a fraction.

Who eats the most? Who eats the least? Is there any pizza left?



How many ways can you complete the missing digits?

$$\begin{array}{c} \text{purple} \\ \text{orange} \end{array} \frac{\quad}{\quad} \times \frac{3}{\quad} = \frac{6}{12}$$
$$= \frac{\text{green}}{2}$$