

Year 4: Halves, quarters and three quarters: answers

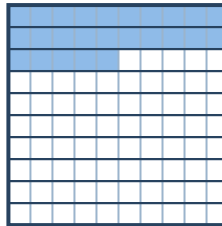
Year 4 - Tenths, Hundredths and Money - Lesson 6.3

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch06-decimals-money/halves-quarters-and-three-quarters/

Exercise 6C Halves, quarters and three quarters Non-calculator

- 1 The hundred squares are shaded. Write the decimal that is shaded.

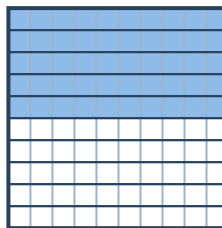
(a)



Decimal =

Answer: 0.25

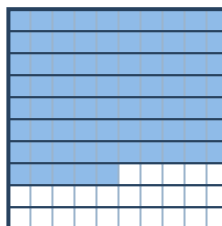
(b)



Decimal =

Answer: 0.5

(c)



Decimal =

Answer: 0.75

- 2 Quick-fire! Write each fraction as a decimal.

(a) $\frac{1}{2} =$

Answer: 0.5

(b) $\frac{3}{4} =$

Answer: 0.75

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

Answer: 0.25

(d) $\frac{2}{4} =$

Answer: 0.5

(e) $\frac{5}{10} =$

Answer: 0.5

(f) $\frac{25}{100} =$

Answer: 0.25

3 Write each decimal as a fraction. Give each answer in its simplest form.

(a) 0.5 =

Answer: $\frac{1}{2}$

(b) 0.25 =

Answer: $\frac{1}{4}$

(c) 0.75 =

Answer: $\frac{3}{4}$

(d) 0.1 =

Answer: $\frac{1}{10}$

(e) 0.01 =

Answer: $\frac{1}{100}$

(f) 0.50 =

Answer: $\frac{1}{2}$

4 Write each mixed number as a decimal.

(a) $2\frac{1}{2} =$

Answer: 2.5

(b) $3\frac{3}{4} =$

Answer: 3.75

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

Answer: 1.25

(d) $6\frac{1}{2} =$

Answer: 6.5

5 Write each decimal as a mixed number.

(a) $2.5 =$

Answer: $2\frac{1}{2}$

(b) $4.75 =$

Answer: $4\frac{3}{4}$

(c) $1.25 =$

Answer: $1\frac{1}{4}$

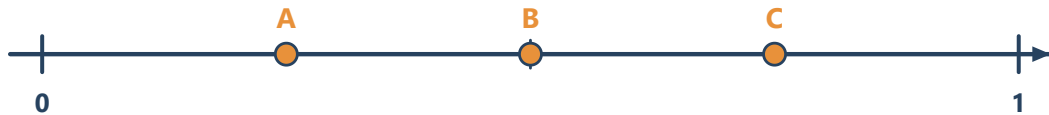
(d) $7.5 =$

Answer: $7\frac{1}{2}$

(e) $3.25 =$

Answer: $3\frac{1}{4}$

6 The number line goes from 0 to 1. Write each point as a decimal.



(a) $A =$

Answer: 0.25

(b) $B =$

Answer: 0.50

(c) $C =$

Answer: 0.75

7 Write each measure as a decimal.

(a) $\frac{1}{2}$ m =

Answer: 0.5 m

(b) $\frac{3}{4}$ kg =

Answer: 0.75 kg

(c) $1\frac{1}{4}$ litres =

Answer: 1.25 litres

(d) $2\frac{1}{2}$ km =

Answer: 2.5 km

8 Work out each fraction of the money. Give your answers in pounds.

(a) $\frac{1}{2}$ of £1 =

Answer: £0.50

(b) $\frac{1}{4}$ of £2 =

Answer: £0.50

(c) $\frac{3}{4}$ of £4 =

Answer: £3.00

(d) $\frac{1}{2}$ of £5 =

Answer: £2.50

9 Priya pours 1 litre of juice into 4 equal glasses.



(a) What fraction of a litre is in each glass? Write it as a decimal.

Answer: 0.25 litre

(b) She drinks 3 of the glasses. What decimal of a litre is that?

Answer: 0.75 litre

10 A rope is $2\frac{3}{4}$ m long. Zara cuts off 1 m.

(a) Write the length of the rope as a decimal.

Answer: 2.75 m

(b) How long is the rope now? Give your answer as a decimal.

Answer: 1.75 m

11 Tom says, " $\frac{1}{4} = 0.4$, because there is a 4 on the bottom." Is Tom right? Explain.

Answer: No. $\frac{1}{4} = 0.25$

12 Match each fraction to its decimal. **A** $\frac{1}{2}$ **B** $\frac{3}{4}$ **C** $\frac{1}{4}$ **D** $\frac{1}{10}$

Decimals: 0.1 0.25 0.5 0.75

Answer: A and 0.5, B and 0.75, C and 0.25, D and 0.1

13 Which is the odd one out? 0.5 $\frac{5}{10}$ $\frac{1}{2}$ 0.05. Explain.

Answer: 0.05

14 I am a fraction with 4 on the bottom. I am more than 0.5 and less than 1. What fraction am I? Write me as a decimal too.

Answer: $\frac{3}{4} = 0.75$