

# Year 4: Tenths as decimals: worksheet

Year 4 - Tenths, Hundredths and Money - Lesson 6.1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

14 questions. Write your answers in the spaces. Answers and step-by-step help are free at [websink.site/ks2-sats/maths/year-4/ch06-decimals-money/tenths-as-decimals/](https://websink.site/ks2-sats/maths/year-4/ch06-decimals-money/tenths-as-decimals/)

## Exercise 6A Tenths as decimals Non-calculator

1 What decimal is shaded in each bar?

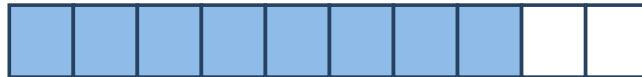
(a)



Decimal =

Answer: \_\_\_\_\_

(b)



Decimal =

Answer: \_\_\_\_\_

(c)



Decimal =

Answer: \_\_\_\_\_

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

(a)  $\frac{2}{10} =$

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

(c)  $\frac{9}{10} =$

Answer: \_\_\_\_\_

(d)  $\frac{1}{10} =$

Answer: \_\_\_\_\_

(e)  $\frac{7}{10} =$

Answer: \_\_\_\_\_

(f)  $\frac{4}{10} =$

Answer: \_\_\_\_\_

**3 Write each decimal as a fraction.**

**(a)**  $0.3 =$

Answer: .....

**(b)**  $0.7 =$

Answer: .....

**(c)**  $0.1 =$

Answer: .....

**(d)**  $0.9 =$

Answer: .....

**(e)**  $0.6 =$

Answer: .....

**(f)**  $0.4 =$

Answer: .....

**4 Write each mixed number as a decimal.**

**(a)**  $1 \frac{4}{10} =$

Answer: .....

**(b)**  $3 \frac{7}{10} =$

Answer: .....

**(c)**  $2 \frac{1}{10} =$

Answer: .....

**(d)**  $5 \frac{9}{10} =$

Answer: .....

**5 Write each decimal as a mixed number.**

**(a)**  $1.5 =$

Answer: .....

**(b)**  $3.2 =$

Answer: .....

**(c)**  $4.8 =$

Answer: .....

**(d)**  $2.7 =$

Answer: .....

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



(a) A =

Answer:

(b) B =

Answer:

(c) C =

Answer:

**7** Count on in tenths. Write the missing numbers.

(a) 0.2, 0.3,  0.5,  0.7

Answer:

(b) 0.7,  0.9, 1.0,  1.2

Answer:

(c) 1.4, 1.5, 1.6,  1.8,  2.0

Answer:

**8** Count back in tenths. Write the missing numbers.

(a) 0.9, 0.8,  0.6,  0.4

Answer:

(b) 1.3,  1.1,  0.9, 0.8

Answer:

(c) 2.1, 2.0,  1.8, 1.7,  1.5

Answer:

**9** How many tenths are there in each number?

(a) 0.6 =  tenths

Answer:

(b) 1.3 =  tenths

Answer:

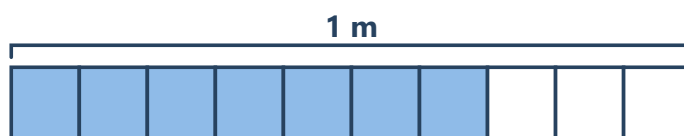
(c) 2.5 =  tenths

Answer:

(d) 4.1 =  tenths

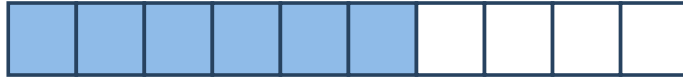
Answer:

- 10** Aisha cuts a 1 m ribbon into 10 equal pieces. She uses 7 of the pieces. What length of ribbon does she use? Give your answer in metres as a decimal.



Answer:

- 11** A race is 10 laps long. Tom has run 6 laps.



(a) What decimal of the race has Tom run?

Answer: .....

(b) What decimal of the race is left?

Answer: .....

**12** Which is the odd one out? 0.3    $\frac{3}{10}$    0.03   three tenths. Explain.

Answer: .....

**13** Leo says, " $\frac{3}{10} = 3.10$ ." What mistake has Leo made? Write  $\frac{3}{10}$  as a decimal correctly.

Answer: .....

**14** I am a decimal between 2 and 3. My tenths digit is double my ones digit. What decimal am I?

Answer: .....