



WORKSHEET 03

Decimals (Tenths & Hundredths)

Year 5 Mathematics — Number & Money Strand

Australian Curriculum v9.0 — AC9M5N01

Name: _____

Date: _____

Section 1: Fluency - Reading Decimals

Question 1: What decimal is shown by the shaded part of the grid below?
(Each small square = 0.01)

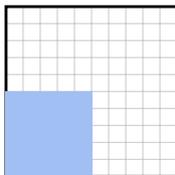


Answer: _____

Question 2: Write 'four tenths and three hundredths' as a decimal number.

Answer: _____

Question 3: How many hundredths are shaded in this grid?



Answer: _____



Question 4: Write the decimal shown: 6 tenths.

Answer: _____

Question 5: What fraction is the same as 0.3? (Use tenths)

Answer: _____

Question 6: Look at the shaded bar. What decimal does it show?



Answer: _____

Question 7: Write 'twenty-five hundredths' as a decimal.

Answer: _____



Decimal Duck Says:

“You’re a Decimal Dynamo!”

Joke Time: Why was the decimal point so good at school?
Because it always made a point!

Section 2: Reasoning - Value of Digits

Question 8: In the number 12.45, which digit is in the hundredths place?

Answer: _____



Question 9: What is the value of the 7 in 0.73?

Answer: _____

Question 10: In the number 8.96, what digit is in the tenths place?

Answer: _____

Question 11: What is the value of the digit 2 in 5.62?

Answer: _____

Question 12: Look at the place value chart below. Write the decimal number.

Tens	Ones	Tenths	Hundredths
1	3	.	7 8

Answer: _____

Question 13: How many tenths are in 0.6?

Answer: _____

Question 14: How many hundredths are in 0.24?

Answer: _____



Pointy Penguin Says:

“You’re a Place Value Pro!”

Joke Time: What did the zero say to the eight?
Nice belt... I mean decimal point!

Section 3: Challenge - Decimal Patterns

Question 15: Continue the pattern: 0.1, 0.2, 0.3, _____, _____

Question 16: What is 0.01 more than 0.99?

Answer: _____

Question 17: Complete the pattern: 0.05, 0.10, 0.15, _____, _____

Question 18: What decimal comes exactly between 0.3 and 0.4?

Answer: _____

Question 19: If you count by hundredths from 0.97, what are the next three numbers?

Answer: _____

Question 20: What is 0.1 less than 2.0?

Answer: _____



Question 21: I am a decimal between 0.5 and 0.6. My hundredths digit is 3. What number am I?

Answer: _____

Question 22: Write a decimal that is greater than 0.8 but less than 0.9.

Answer: _____



Pattern Star Says:

“You’re a Tenths Trendsetter!”

Joke Time: Why did the decimal go to therapy?
It had too many issues with its place in life!

Excellent work! Check your answers on the next page.



WORKSHEET 03

ANSWER KEY

Section 1: Fluency - Reading Decimals

1. 0.35
2. 0.43
3. 52 hundredths (or 0.52)
4. 0.6
5. $\frac{3}{10}$ (three-tenths)
6. 0.7
7. 0.25

Section 2: Reasoning - Value of Digits

8. 5
9. 7 tenths (or 0.7)
10. 9
11. 2 hundredths (or 0.02)
12. 13.78
13. 6 tenths
14. 24 hundredths

Section 3: Challenge - Decimal Patterns

15. 0.4, 0.5
16. 1.00 (or 1.0 or 1)
17. 0.20, 0.25
18. 0.35
19. 0.98, 0.99, 1.00
20. 1.9
21. 0.53
22. Any decimal between 0.8 and 0.9 (e.g., 0.81, 0.85, 0.89, etc.)



WORKSHEET 04

Comparing & Ordering Decimals Year 5 Mathematics — Number & Money Strand Australian Curriculum v9.0 — AC9M5N01

Name: _____

Date: _____

Section 1: Fluency - Comparing Decimals

Instructions: Use $<$, $>$, or $=$ to compare each pair of decimals.

Question 1: 0.4 _____ 0.35

Question 2: 1.2 _____ 1.02

Question 3: 0.7 _____ 0.70

Question 4: 0.09 _____ 0.9

Question 5: 2.56 _____ 2.65

Question 6: 0.3 _____ 0.30

Question 7: 1.45 _____ 1.54

Question 8: 0.08 _____ 0.8



Comparison Cat Says:

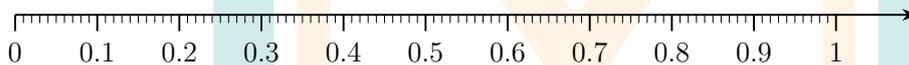
“You’re a Comparing Champion!”

Joke Time: What do you call a decimal that won’t stop talking?

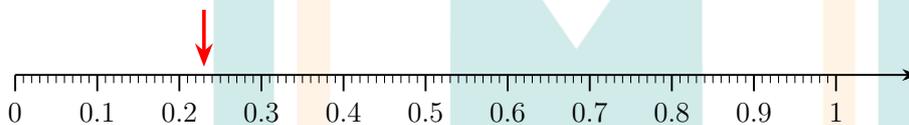
A decimal pointer-outer!

Section 2: Reasoning - Decimal Number Lines

Question 9: Place an arrow at 0.65 on the number line below.



Question 10: What decimal is marked by the arrow on this number line?



Answer: _____

Question 11: Place arrows at 1.3 and 1.7 on the number line below.



Question 12: Order these decimals from smallest to largest: 0.8, 0.08, 0.88, 0.18

Answer: _____

Question 13: Which decimal is closest to 1 on a number line: 0.95, 0.89,



1.05, or 0.99?

Answer: _____

Question 14: Between which two tenths does 0.47 sit? (e.g., between 0.4 and 0.5)

Answer: _____



Number Line Kangaroo Says:

“You’re Hopping Along Perfectly!”

Joke Time: Why did the number line go to the gym?
To work on its range!

Section 3: Challenge - Real-World Measurement

Question 15: Three friends ran a race. Sam: 10.4s, Jo: 10.04s, Mo: 10.44s. Who came first (the fastest time)?

Answer: _____

Question 16: A bottle holds 1.5 litres of water. Another bottle holds 1.25 litres. Which bottle holds more water?

Answer: _____

Question 17: Four students measured the length of a pencil. Their results were: 12.8cm, 12.08cm, 12.88cm, 12.80cm. Order these from shortest to



longest.

Answer: _____

Question 18: Sarah jumped 2.45 metres in long jump. Ben jumped 2.54 metres. Who jumped further?

Answer: _____

Question 19: A recipe needs 0.75 cups of sugar. You have 0.8 cups. Do you have enough sugar?

Answer: _____

Question 20: Three parcels have these masses: 3.2kg, 3.02kg, 3.22kg. Which parcel is the heaviest?

Answer: _____

Question 21: A raindrop is 0.05cm wide. A snowflake is 0.5cm wide. Which is wider?

Answer: _____

Question 22: The temperature on Monday was 18.6°C , on Tuesday it was 18.06°C , and on Wednesday it was 18.60°C . Which day was the warmest?

Answer: _____



Gold Medal Says:



“You’re a Real-World Decimal Hero!”

Joke Time: Why are decimals so calm?
Because they always keep their cool point!

Brilliant work! Check your answers on the next page.





WORKSHEET 04

ANSWER KEY

Section 1: Fluency - Comparing Decimals

1. $0.4 > 0.35$
2. $1.2 > 1.02$
3. $0.7 = 0.70$
4. $0.09 < 0.9$
5. $2.56 < 2.65$
6. $0.3 = 0.30$
7. $1.45 < 1.54$
8. $0.08 < 0.8$

Section 2: Reasoning - Decimal Number Lines

9. Arrow should be placed at 6.5 on the number line (between 0.6 and 0.7, at the 5th small tick)
10. 0.23
11. First arrow at 3 (represents 1.3), second arrow at 7 (represents 1.7)
12. 0.08, 0.18, 0.8, 0.88
13. 0.99
14. Between 0.4 and 0.5

Section 3: Challenge - Real-World Measurement

15. Jo (10.04s is the fastest time)
16. The 1.5 litre bottle
17. 12.08cm, 12.8cm (or 12.80cm), 12.88cm
18. Ben (2.54m)
19. Yes (0.8 is greater than 0.75)
20. 3.22kg
21. The snowflake (0.5cm)
22. Monday and Wednesday are equal ($18.6^{\circ}\text{C} = 18.60^{\circ}\text{C}$), both warmer than Tuesday



Outstanding!

You've mastered Decimals - Tenths & Hundredths!
Keep up the fantastic work in Year 5 Maths!

