

COMPARING DECIMALS

69

TARGET To compare numbers with up to three decimal places.

Compare the highest value digits first and then the next highest, and so on.

Example

Which number is larger, 0.613 or 0.631?

$$0.6 = 0.6$$

$$0.01 < 0.03$$

Answer 0.631 is larger.

Add zeros to give each number the same number of decimal places.

Example

Which number is larger, 0.27 or 0.072?

$$0.270$$

$$0.072$$

Answer 0.27 is larger.

A

Copy and complete by writing $<$ or $>$ in the box.

1 $3.5 \square 3.7$

6 $7.8 \square 7.18$

2 $4.26 \square 4.6$

7 $9.42 \square 9.24$

3 $6.6 \square 6.11$

8 $1.13 \square 1.3$

4 $9.88 \square 8.99$

9 $5.66 \square 6.05$

5 $3.45 \square 4.53$

10 $2.75 \square 2.8$

What number lies halfway between:

11 0.35 and 0.39

16 3 and 3.3

12 1.6 and 1.7

17 1.8 and 2.2

13 4.2 and 5

18 6.34 and 6.44

14 1 and 1.5

19 0.96 and 1

15 8.72 and 8.92

20 2.5 and 2.8?

B

Write $<$ or $>$ in each box.

1 $0.144 \square 0.411$

6 $0.061 \square 0.16$

2 $0.5 \square 0.49$

7 $0.734 \square 0.674$

3 $0.993 \square 0.939$

8 $0.376 \square 1.38$

4 $0.417 \square 0.47$

9 $0.88 \square 0.808$

5 $2.55 \square 0.258$

10 $0.626 \square 0.662$

What number lies halfway between:

11 0.388 and 0.39

15 0.844 and 0.848

12 5.13 and 5.18

16 0.62 and 0.63

13 0.294 and 0.3

17 1.991 and 1.999

14 0.52 and 0.55

18 0.11 and 0.18?

Write these numbers in order, smallest first.

19 0.636, 0.366, 0.633, 0.363

20 0.404, 0.004, 0.444, 0.044

21 1.89, 1.99, 1.88, 1.98

22 0.275, 0.277, 0.257, 0.255

C

What number lies halfway between:

1 1.394 and 1.4

5 2.8 and 2.83

2 5.46 and 5.51

6 3 and 3.25

3 1.678 and 1.69

7 1.72 and 1.73

4 0.132 and 0.552

8 0.67 and 0.8?

Arrange these numbers in ascending order.

9 92.2, 9.25, 0.99, 9.225, 0.952

10 3.47, 4.73, 3.417, 4.137, 3.174

11 6.118, 1.186, 1.6, 6.18, 1.81

12 0.13, 1.023, 0.113, 1.03, 0.123

Give the next five numbers in each sequence.

13 0.01 0.03 0.05 0.07 0.09

14 0.16 0.15 0.14 0.13 0.12

15 0.9 0.92 0.94 0.96 0.98

16 1.2 1.18 1.16 1.14 1.12

17 0.005 0.01 0.015 0.02 0.025

18 1.75 1.65 1.55 1.45 1.35