

Recognize equivalent decimals

NAME	DATE	SCORE / 10
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1 Do 0.46 and 0.406 name the same number, and why?

- ☐ Yes. 46 hundredths is the same as 460 thousandths.
☐ No. 0.406 is larger, because it has more digits.
☐ No. 46 hundredths is more than 406 thousandths.
☐ Yes. A zero does not change the value of a number.

2 Which of these decimals are equal to 3.45?

Tick every answer that is true.

- ☐ **A** 3.045
☐ **B** 3.4500
☐ **C** 3.451
☐ **D** 4.45
☐ **E** 3.450

3 Do 0.03 and 0.3 name the same number, and why?

- ☐ No. 3 tenths is more than 3 hundredths. ☐ No. 0.03 is larger, because it has more digits.
☐ Yes. A zero does not change the value of a number.
☐ Yes. 3 tenths is the same as 30 hundredths.

4 Which of these decimals are equal to 0.2?

Tick every answer that is true.

- ☐ **A** 0.02
☐ **B** 1.2
☐ **C** 0.21
☐ **D** 0.200
☐ **E** 0.20

5

Do 0.120 and 0.12 name the same number, and why?

- ☐ No. 12 hundredths is more than 120 thousandths.
- ☐ Yes. A zero does not change the value of a number.
- ☐ Yes. 12 hundredths is the same as 120 thousandths.
- ☐ No. 0.120 is larger, because it has more digits.

6

Which of these decimals are equal to 2.22?

Tick every answer that is true.

- ☐ **A** 2.2200
- ☐ **B** 2.220
- ☐ **C** 2.221
- ☐ **D** 3.22
- ☐ **E** 2.022

7

Do 3.60 and 3.6 name the same number, and why?

- ☐ No. 6 tenths is more than 60 hundredths. ☐ Yes. 6 tenths is the same as 60 hundredths.
- ☐ No. 3.60 is larger, because it has more digits.
- ☐ Yes. A zero does not change the value of a number.

8

Which of these decimals are equal to 0.18?

Tick every answer that is true.

- ☐ **A** 0.180
- ☐ **B** 0.181
- ☐ **C** 1.18
- ☐ **D** 0.018
- ☐ **E** 0.1800

9

Do 0.1 and 0.10 name the same number, and why?

- ☐ No. 1 tenth is more than 10 hundredths.
- ☐ Yes. A zero does not change the value of a number.
- ☐ No. 0.10 is larger, because it has more digits. ☐ Yes. 1 tenth is the same as 10 hundredths.

10 Which of these decimals are equal to 0.5?

Tick every answer that is true.

- ☐ **A** 1.5
- ☐ **B** 0.50
- ☐ **C** 0.05
- ☐ **D** 0.500
- ☐ **E** 0.51

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1 No. 46 hundredths is more than 406 thousandths.

3 No. 3 tenths is more than 3 hundredths.

5 Yes. 12 hundredths is the same as 120 thousandths.

7 Yes. 6 tenths is the same as 60 hundredths.

9 Yes. 1 tenth is the same as 10 hundredths.

2 B, E

Tick exactly these: B: 3.4500; E: 3.450. One missed or one extra is wrong.

4 D, E

Tick exactly these: D: 0.200; E: 0.20. One missed or one extra is wrong.

6 A, B

Tick exactly these: A: 2.2200; B: 2.220. One missed or one extra is wrong.

8 A, E

Tick exactly these: A: 0.180; E: 0.1800. One missed or one extra is wrong.

10 B, D

Tick exactly these: B: 0.50; D: 0.500. One missed or one extra is wrong.
