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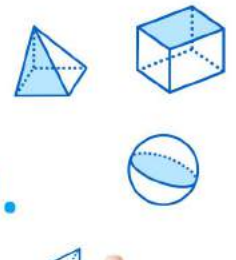

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Improper Fractions Worksheet 4

1. Fill in the blank:
   "In an improper fraction, the denominator is always _____ the numerator".
   a. Greater than
   b. Less than
   c. Equal to

2. Choose the option with an improper fraction.
   a. $\frac{12}{56}$
   b. $\frac{14}{25}$
   c. $\frac{47}{16}$
   d. $6\frac{2}{3}$

3. Compare the following fractions by using a <, > or = sign:

$$\frac{37}{11} \square \frac{35}{11}$$

4. Which of the following is an NOT improper fraction?
   a. $\frac{73}{21}$
   b. $\frac{96}{77}$
   c. $\frac{71}{60}$
   d. $\frac{29}{31}$

5. Arrange the given fractions from least to greatest and write in the boxes provided below:

$$\frac{17}{8}, \frac{19}{7}, \frac{24}{11}$$

$$\square < \square < \square$$

6. Circle the improper fraction out of :

$$4\frac{3}{5}, \frac{26}{19}, 1\frac{5}{7}, \frac{25}{19}, \frac{7}{120}$$

7. Match the following fractions with their appropriate description:

a. $\frac{84}{13}$	i. Mixed fraction
b. $\frac{56}{77}$	ii. Improper fraction
c. $7\frac{29}{70}$	iii. Proper fraction

8. Fill up with an appropriate sign out of <, > or = for:

$$\frac{23}{7} \qquad 5\frac{7}{81}$$

9. The ratio of the decimal value of an improper fraction to a proper fraction will be:
   a. Less than 1
   b. More than 1
   c. Zero
   d. Undeterminable

10. Which of the following statements are true?
   a) Improper fraction = $\frac{5}{6}$, proper fraction = $\frac{43}{11}$
   b) Improper fraction = $\frac{65}{6}$, proper fraction = $\frac{73}{11}$
   c) Improper fraction = $\frac{85}{6}$, proper fraction = $\frac{31}{71}$
   d) Improper fraction = $\frac{35}{6}$, proper fraction = $\frac{43}{11}$

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ANSWERS

1. b	2. c
3. >	4. d
5. $\frac{17}{8} < \frac{24}{11} < \frac{19}{7}$	6. $\frac{25}{19}$
7. a =ii b =iii c =i	8. <
9. b	10.c

FUN FACT

1. A fraction with denominator 0 is not defined.
2. If you try to remove an integer value from an improper fraction, it will be converted into a mixed fraction.
3. The whole numbers 1,2 .... etc are considered as improper fractions.