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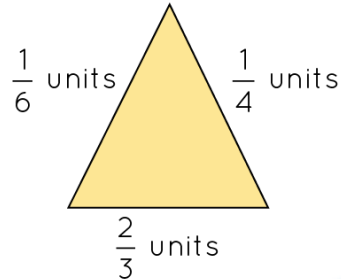
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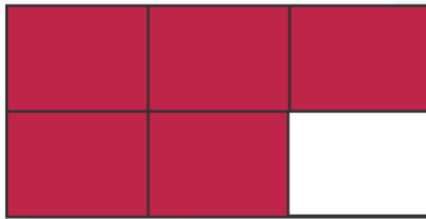
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COMPARING FRACTIONS WORKSHEET-IV

1) Is the perimeter of the triangle given below more than $\frac{1}{2}$? Justify your answer.



2) Which of the following option is not greater than the fraction represented by given shaded region:



(a) $\frac{2}{4}$ (b) $\frac{4}{5}$ (c) $\frac{5}{6}$

3) Compare: $\frac{5}{4}$ and $\frac{7}{6}$

4) Fill in the box with correct symbol: $<$, $>$, $=$

$\frac{5}{20}$ $\frac{15}{60}$

5) Is the sum of $\frac{14}{5}$ and $\frac{1}{15}$ less than a whole?

6) State true or false:

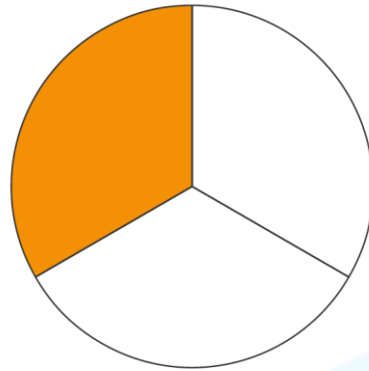
$$5\frac{1}{2} = \frac{11}{2}$$

7) Jill lives $2\frac{1}{5}$ miles away from school whereas Rachel's home is $\frac{12}{4}$ miles far from school. Who lives closer to the school?

8) Arrange the following in descending order:

$1\frac{1}{4}$, $1\frac{1}{2}$, $\frac{1}{12}$, $3\frac{1}{2}$

9) Which of the following fractions is greater than the fraction represented by given figure:



- a) $\frac{1}{8}$ b) $\frac{2}{8}$ c) 1 d) $\frac{1}{2}$

10) Jenny and Sam are best friends. One day they decide to donate some part of their pocket money for charity. Sam donates one fifth of his pocket money whereas Jenny donates two third of her pocket money. If the pocket money of Sam and Jenny are \$40 and \$30 respectively, who donated more for the charity?

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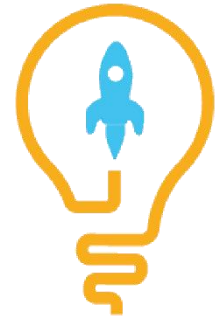
- Kirk Riley

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ANSWERS

1)	$\frac{1}{6} + \frac{2}{3} + \frac{1}{4} = \frac{2 + 8 + 3}{12} = \frac{13}{12}$ $\frac{13}{12} > \frac{1}{2}$
2)	options a and c
3)	$\frac{5}{4} > \frac{7}{6}$
4)	$\frac{5}{20} = \frac{15}{60}$
5)	$\frac{14}{5} + \frac{1}{15} = \frac{43}{15}$ which is greater than 1 (whole).
6)	True, $5\frac{1}{2} = \frac{5 \times 2 + 1}{2} = \frac{11}{2}$
7)	$\frac{12}{4} = 3 > 2\frac{1}{5}$ Jill lives closer.
8)	$3\frac{1}{2} > 1\frac{1}{2} > 1\frac{1}{4} > \frac{1}{12}$
9)	Both c and d
10)	Sam's donation = $\frac{1}{5} \times 40 = \8 Jenny's donation = $\frac{2}{3} \times 30 = \20 . Jenny donated more.

FUN FACT

1. To compare two or more fractions, find the LCM of denominators and convert them into equivalent fractions.
2. If two fractions have same numerator, then the fraction that has greater denominator is smaller.
3. 1 is greater than every proper fraction.

