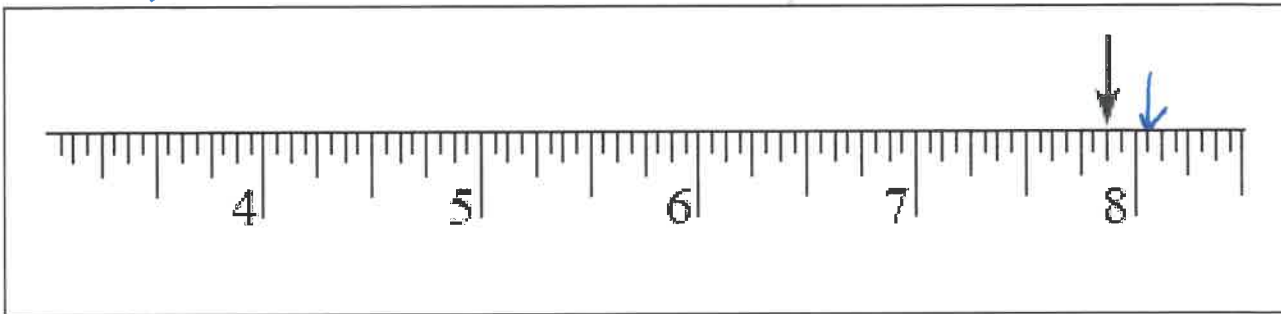


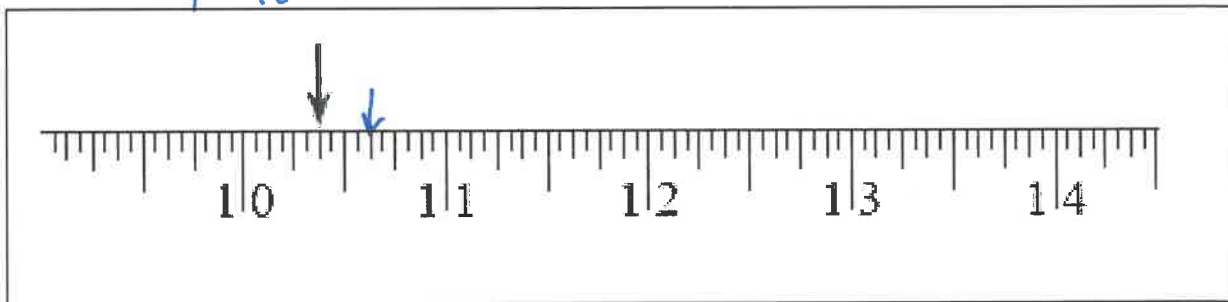
2.3 Notes: Adding fractions on a ruler

We will use an imperial ruler to help us add fractions.

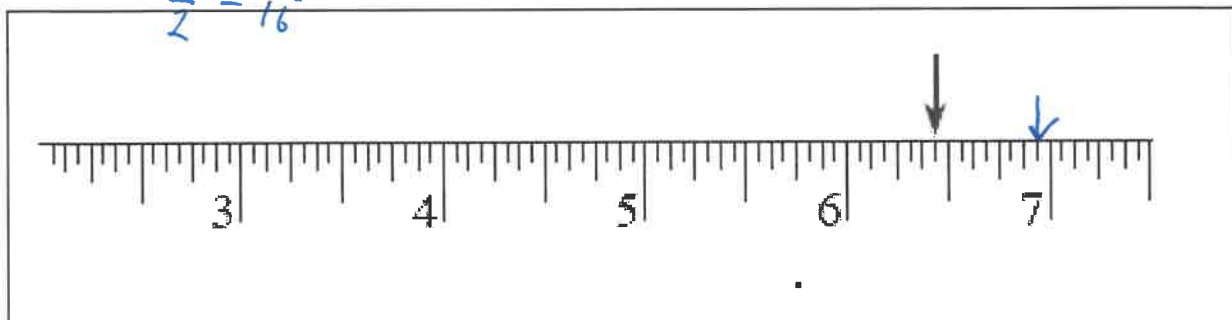
Ex. 1 $7\frac{7}{8} + 3/16'' = 8\frac{1}{16}$



Ex 2 $10\frac{3}{8} + 1/4'' = 10\frac{5}{8}''$
 $\frac{1}{4} = \frac{4}{16}$



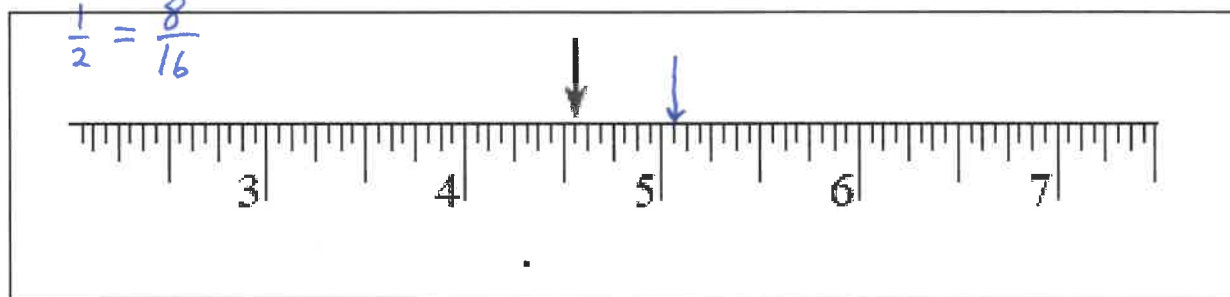
Ex 3 $6\frac{7}{16} + 1/2'' = 6\frac{15}{16}$
 $\frac{1}{2} = \frac{8}{16}$



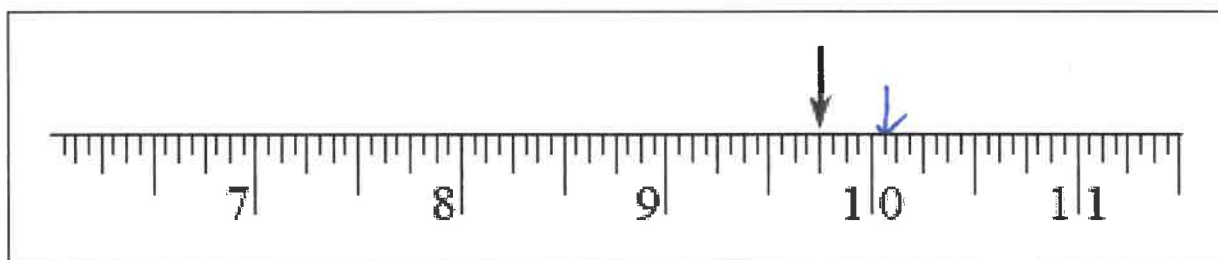
Show you know

$$4\frac{9}{16} + \frac{1}{2}'' = 5\frac{1}{16}$$

$$\frac{1}{2} = \frac{8}{16}$$

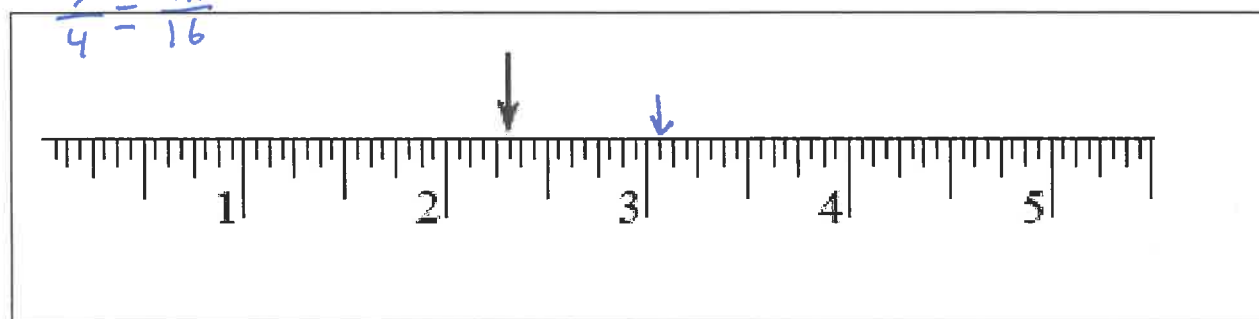


$$9\frac{3}{4} + 5/16'' = 10\frac{1}{16}$$



$$2\frac{5}{16} + \frac{3}{4}'' = 3\frac{1}{16}$$

$$\frac{3}{4} = \frac{12}{16}$$



Adding Common Tape measure fractions Mathematically

denominators will be 2, 4, 8, 16 or $\overline{2}, \overline{4}, \overline{8}, \overline{16}$

1. $\frac{1}{4} + \frac{1}{2}$ $\frac{1}{2} = \frac{2}{4}$ $4 \times 1 \div 2 = 2$

$$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$$

2. $\frac{3}{8} + \frac{1}{4}$ $\frac{1}{4} = \frac{2}{8}$ $8 \times 1 \div 4 = 2$

$$\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$$

3. $\frac{5}{8} + \frac{7}{16}$ $\frac{5}{8} = \frac{10}{16}$ $16 \times 5 \div 8 = 10$

$$\frac{10}{16} + \frac{7}{16} = \frac{17}{16} = 1 \frac{1}{16}$$

Show you know

1. $\frac{3}{4} + \frac{1}{2}$ $\frac{1}{2} = \frac{2}{4}$

$$\frac{3}{4} + \frac{2}{4} = \frac{5}{4} = 1 \frac{1}{4}$$

2. $\frac{7}{8} + \frac{1}{16}$

$$\frac{14}{16} + \frac{1}{16} = \frac{15}{16}$$

3. $\frac{7}{8} + \frac{3}{16}$

$$\frac{14}{16} + \frac{3}{16} = \frac{17}{16} = 1 \frac{1}{16}$$

4. $\frac{1}{4} + \frac{5}{8}$

$$\frac{2}{8} + \frac{5}{8} = \frac{7}{8}$$

2.3 Practice

Add these fractions to each corresponding ruler on the 2.2 Practice sheet:

- 1) $+1/16$ (Start with the first ruler on the first page)
- 2) $+1/8$
- 3) $+3/16$
- 4) $+1/4$
- 5) $+5/16$
- 6) $+3/8$
- 7) $+7/16$
- 8) $+1/2$
- 9) $+9/16$ (Skip to the first ruler on the third page)
- 10) $+5/8$
- 11) $+11/16$
- 12) $+3/4$
- 13) $+13/16$
- 14) $+7/8$
- 15) $+15/16$