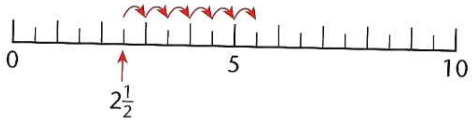
COUNTING IN FRACTIONS

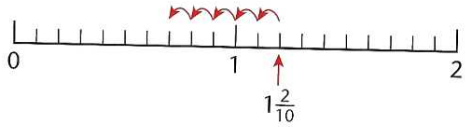
TARGET To count using fractions.

Examples



Count on six steps of one half from $2\frac{1}{2}$.

Answer $2\frac{1}{2}$, 3, $3\frac{1}{2}$, 4, $4\frac{1}{2}$, 5, $5\frac{1}{2}$



Count back five steps of one tenth from $1\frac{2}{10}$.

Answer $1\frac{2}{10}$, $1\frac{1}{10}$, 1, $\frac{9}{10}$, $\frac{8}{10}$, $\frac{7}{10}$

A

Give the first six numbers.

1. Count on in tenths from 0.
2. Count on in twelfths from $\frac{4}{12}$.
3. Count on in halves from $5\frac{1}{2}$.
4. Count on in eighths from $\frac{2}{8}$.
5. Count on in quarters from $2\frac{1}{4}$.
6. Count on in sixths from 0.

Count back to 0:

7. in thirds from 2
8. in fifths from 1
9. in halves from 4
10. in tenths from $\frac{7}{10}$
11. in sevenths from 1
12. in quarters from $1\frac{1}{2}$.

B

Give the first six numbers.

1. Count on in steps of $\frac{1}{6}$ from $\frac{3}{6}$.
2. Count on in steps of $\frac{1}{10}$ from $\frac{5}{10}$.
3. Count on in steps of $\frac{1}{12}$ from $\frac{8}{12}$.
4. Count on in steps of $\frac{2}{9}$ from 0.
5. Count on in steps of $\frac{2}{5}$ from 0.
6. Count on in steps of $\frac{3}{4}$ from 0.

Count back six steps:

7. of one eighth from $1\frac{4}{8}$
8. of two thirds from 4
9. of one fifth from 2
10. of one half from $3\frac{3}{4}$
11. of two tenths from $1\frac{6}{10}$
12. of three twelfths from $1\frac{9}{12}$.

C

Copy and complete each sequence.

1. $1\frac{2}{5}$ $1\frac{4}{5}$ ☐ ☐ 3 ☐
2. ☐ $1\frac{6}{8}$ ☐ 1 ☐ $\frac{2}{8}$
3. $\frac{5}{7}$ ☐ $1\frac{2}{7}$ ☐ ☐ $2\frac{1}{7}$
4. $5\frac{1}{4}$ ☐ $6\frac{3}{4}$ $7\frac{1}{2}$ ☐ ☐
5. ☐ ☐ $2\frac{2}{3}$ 4 $5\frac{1}{3}$ ☐
6. ☐ $1\frac{4}{9}$ ☐ 1 ☐ $\frac{5}{9}$

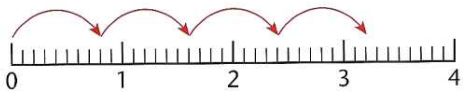
Copy and complete.

7. $\frac{1}{3} \times 8 =$ ☐
8. $\frac{2}{5} \times 6 =$ ☐
9. $\frac{4}{10} \times$ ☐ $= 2\frac{8}{10}$
10. $\frac{3}{8} \times$ ☐ $= 1\frac{7}{8}$
11. ☐ $\times 4 = 3$
12. ☐ $\times 7 = 2\frac{11}{12}$
13. $\frac{1}{7} \times 12 =$ ☐
14. $\frac{3}{11} \times 4 =$ ☐
15. $\frac{2}{3} \times$ ☐ $= 3\frac{1}{3}$
16. $\frac{5}{8} \times$ ☐ $= 5$
17. ☐ $\times 7 = 1\frac{5}{9}$
18. ☐ $\times 6 = 3\frac{3}{5}$

TARGET To count on and back in decimal steps.

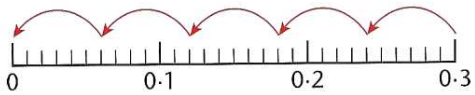
Examples

Start at 0.
Count on four steps of 0·8



Answer *3·2*

Count back in steps of 0·06 from 0·3



Answer *5 steps*

A

Write out each sequence.
Start at 0 each time.

1. Count on 4 steps of 0·2.
2. Count on 5 steps of 0·3.
3. Count on 6 steps of 0·5.
4. Count on 4 steps of 0·8.
5. Count on 7 steps of 0·4.

Write out each sequence.

6. Count back in steps of 0·2 from 1·6.
7. Count back in steps of 0·3 from 2·1.
8. Count back in steps of 0·5 from 3·5.
9. Count back in steps of 0·7 from 2·1.
10. Count back in steps of 0·9 from 1·8.
11. Count back in steps of 0·6 from 2·4.

B

Complete each sequence.

1. 2·4 3·2 ☐ ☐ ☐ 6·4
2. 5·4 ☐ ☐ ☐ 3·0 2·4
3. 0·05 0·1 0·15 ☐ ☐ ☐
4. 0·18 0·16 0·14 ☐ ☐ ☐
5. 0·22 ☐ 0·3 ☐ 0·38 ☐

Write out each sequence.

6. Count on seven steps of 0·6 from 0.
7. Count back six steps of 0·8 from 7·2.
8. Count on five steps of 0·9 from 0.
9. Count back eight steps of 0·5 from 6·0.
10. Count on nine steps of 0·3 from 0.

C

Complete each sequence.

1. ☐ 0·5 ☐ 1·0 ☐ 1·5
2. ☐ 0·95 ☐ 0·81 ☐ 0·67
3. ☐ 0·01 ☐ 0·02 ☐ 0·03
4. ☐ 1·5 ☐ 3·0 ☐ 4·5
5. ☐ 0·05 ☐ 0·1 ☐ 0·15

Copy and complete.

6. 0·02 × ☐ = 0·18
7. 0·06 × ☐ = 0·48
8. 0·07 × ☐ = 0·49
9. 0·005 × ☐ = 0·03
10. 0·008 × ☐ = 0·32

Copy and complete.

11. 0·21 ÷ ☐ = 0·03
12. 0·72 ÷ ☐ = 0·09
13. 0·4 ÷ ☐ = 0·05
14. 0·063 ÷ ☐ = 0·007
15. 0·04 ÷ ☐ = 0·008